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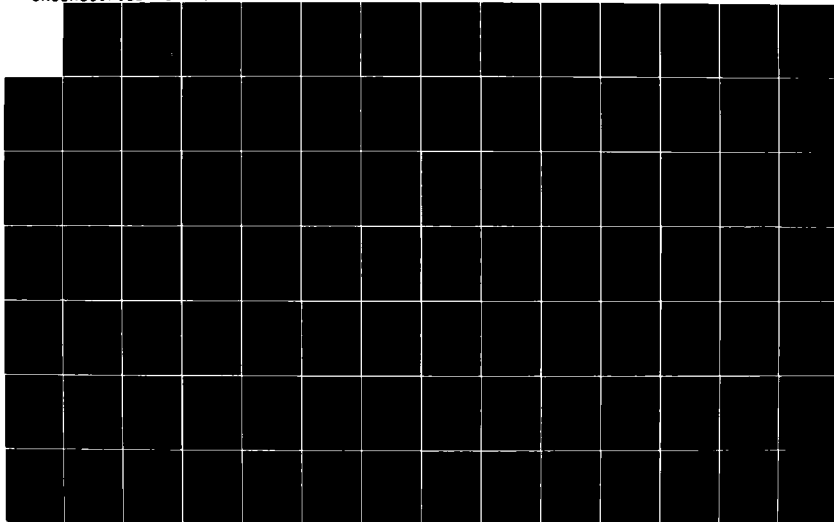
FORT DEVENS AAF MASSACHUSETTS LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA..(U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
JUL 85 USAFETAC/DS-85/027

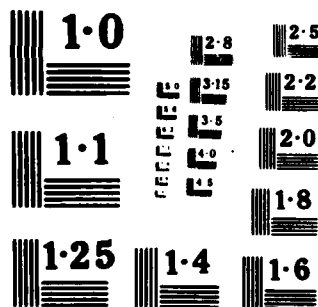
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AD-A159 641

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DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

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15 JUL 1985

"LIMITED OBSERVATIONS"
CLIMATOLOGICAL DATA

FT DEVERNS AFB MA
N 42 34 W 071 36 ELEV: 268 FT
PARTS A-F HOURS SUMMARIZED: 0600 - 1900 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: AUG 74 - JUL 84
SUMMARY OF DAY DATA: NONE
TIME CONVERSION GMT TO LST: -5

10 JUL 1985

Approved for public release
Distribution Unlimited." FEDERAL BUILDING
ASHEVILLE, N. C.

DTIC
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REVIEW AND APPROVAL STATEMENT

This report is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

Wayne E. McCollom

WAYNE E. MCCOLLUM
Chief, Document Research Section
USAFSTAC/LOX

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

A159641

REPORT DOCUMENTATION PAGE

| | | | | | | | | | |
|--|-------------|---|---|---|------------------------------------|---------------------|-------------|----------|-------------------------|
| 1a. REPORT SECURITY CLASSIFICATION Unclassified | | | 1b. RESTRICTIVE MARKINGS | | | | | | |
| 2a. SECURITY CLASSIFICATION AUTHORITY | | | 3. DISTRIBUTION/AVAILABILITY OF REPORT Approved for public release; distribution unlimited. | | | | | | |
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| 8c. ADDRESS (City, State, and ZIP Code) | | <table border="1"> <tr> <td>PROGRAM ELEMENT NO.</td> <td>PROJECT NO.</td> <td>TASK NO.</td> <td>WORK UNIT ACCESSION NO.</td> </tr> </table> | | | | PROGRAM ELEMENT NO. | PROJECT NO. | TASK NO. | WORK UNIT ACCESSION NO. |
| PROGRAM ELEMENT NO. | PROJECT NO. | TASK NO. | WORK UNIT ACCESSION NO. | | | | | | |
| 11. TITLE (Include Security Classification) FORT DEVENS AAF MASSACHUSETTS (LTSOLS) (Unclassified) | | | | | | | | | |
| 12. PERSONAL AUTHOR(S) | | | | | | | | | |
| 13a. TYPE OF REPORT Data Summary | | 13b. TIME COVERED FROM AUG 79 TO JUL 84 | | 14. DATE OF REPORT (Year, Month, Day) JUL 85 | | | | | |
| 15. PAGE COUNT 120 | | | | | | | | | |
| 16. SUPPLEMENTARY NOTATION | | | | | | | | | |
| 17. COSATI CODES | | | 18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) | | | | | | |
| FIELD | GROUP | SUB-GROUP | *climatology *weather Meteorological conditions | | | | | | |
| 04 | 02 | | (continued over) | | | | | | |
| 19. ABSTRACT (Continue on reverse if necessary and identify by block number) | | | | | | | | | |
| <p>A statistical data summary of surface weather observation climatology for:</p> <p>FORT DEVENS ARMY AIR FIELD MASSACHUSETTS.</p> <p>This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART A, Weather Conditions and Atmospheric Phenomena; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; and PART F, Pressure Summaries. Note that PART B, Precipitation, is omitted. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs), for complete descriptions of contents and instructions for use.</p> | | | | | | | | | |
| 20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS | | | 21. ABSTRACT SECURITY CLASSIFICATION Unclassified | | | | | | |
| 22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield | | | 22b. TELEPHONE (Include Area Code) (618) 256-2625 | | 22c. OFFICE SYMBOL USAFETAC/LDD | | | | |

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted.
All other editions are obsolete

SECURITY CLASSIFICATION OF THIS PAGE

UNCLASSIFIED

UNCLASSIFIED

18. Subject terms cont.

| | | | |
|---------------------|--------------------|-------------------|------------|
| winds | precipitation | temperature | visibility |
| barometric pressure | | relative humidity | |
| sky cover | psychrometric data | | ceiling |

Limited Surface Observations Climatic Summary
LISQCS

FORT DEVENS MASSACHUSETTS

FORT DEVENS AYER

FORT DEVENS AAF

USMA 744905-

1111111111

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

| | |
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| Accession For | |
| NTIS GRA&I | <input checked="" type="checkbox"/> |
| DTIC TAB | <input type="checkbox"/> |
| Unannounced | <input type="checkbox"/> |
| Justification | |
| By | |
| Distribution/ | |
| Availability Codes | |
| Dist | Avail and/or Special |
| A-1 | |



OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES
(LISOCs)

DEFINITION: A RUSSWO-like set of summaries of hourly observations for the station's normal operating hours.

Hourly Observations: Those record or record-special observations recorded at established hourly intervals.

General Comments:

1. The hourly data are screened to exclude extraneous or occasional hours outside the normal observing hours.
2. A brief description preceeds each summary.
3. Summaries containing "TOTALS" and "ALL HOURS" are only from the hours summarized. These values are representative only for the operating hours.
4. The monthly and annual "ALL HOURS" summaries are not presented because they are not representative, and would result in meaningless or biased values.
5. There are no "Sky Cover" nor "Sea Level Pressure" summaries for METAR stations.

Table of Contents: AWS Form 2 "Station History"

- Part 1: Weather Conditions
- Part 2: Surface Winds
- Part 3: Ceiling Versus Visibility; Sky Cover
- Part 4: Daily High, Low, Mean Temperatures; Max High and Min Low Temperatures;
Psychrometric Tables; Mean and Standard Deviation of Temperatures; Relative Humidity
- Part 5: Station Pressure; Sea Level Pressure

Standard 3-Hour Groups: All summaries having diurnal variations are summarized in 3-hour periods corresponding to the following sets of hourly observations and limited to normal observation reporting hours (LST):

| | |
|-----------|-----------|
| 0000-0200 | 1200-1400 |
| 0300-0500 | 1500-1700 |
| 0600-0800 | 1800-2000 |
| 0900-1100 | 2100-2300 |

Note that the first and last hour groups may or may not contain all three hours. See hours summarized on front cover to determine which hours are included in these two hour groups.

| STATION NO ON SUMMARY | | STATION NAME | | LATITUDE | | LONGITUDE | | FIELD ELEV (FT) | | CALL SIGN | | WMO NUMBER | |
|--|------------------------------|---|---------------------|------------------|-----------------|--|---------------------|-----------------|-------------|-----------|--|------------|--|
| 744905 | | FORT DEVENS AAF MA | | N 42 34 | | W 071 30 | | 268 | | AFM | | | |
| STATION LOCATION AND INSTRUMENTATION HISTORY | | | | | | | | | | | | | |
| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY | | | | |
| | | | FROM | TO | | | FIELD (FT) | HT. BARO. | | | | | |
| 1 | Fort Devens Ager, Mass | AAF | Oct 60 | Sep 61 | N 42 34 | W 071 30 | 268 | | 11 | | | | |
| 2 | Same | Same | Oct 61 | Sep 63 | Same | Same | Same | Same | 14 | | | | |
| 3 | Same | Same | Jan 74 | Dec 74 | Same | Same | Same | Same | 11 | | | | |
| 4 | Same | Same | Jan 75 | Dec 76 | Same | Same | Same | Same | 11 | | | | |
| 5 | Same | Same | Jan 77 | Dec 81 | Same | Same | 268 | 268 | 13 | | | | |
| 6 | Same | Same | Jan 82 | Dec 84 | Same | Same | 268 | 268 | 15 | | | | |
| SURFACE WIND EQUIPMENT INFORMATION | | | | | | | | | | | | | |
| NUMBER OF LOCATION | DATE OF CHANGE | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | REMARKS - ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE | | | | | | | |
| | | | | | | | | | | | | | |
| 1 | Oct 60 | Located 1/2 mile East of Hanger on E end of Field 14/32 | AL-144 11 | None | 55 FT | | | | | | | | |
| 2 | Oct 61 | Same | Same | None | Same | | | | | | | | |
| 3 | Dec 74 | Same | Same | AC-312 | 15 FT | | | | | | | | |
| 4 | Dec 84 | Located 500 ft East of the Northend of Runway 14/32 | Same | Same | Same | | | | | | | | |

USAFETAC FORM NOV 73 0-19 (O1, A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WEATHER CONDITIONS

1

PART 1

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented by month by the available 3-hour groups.

Thunderstorms--All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle--All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze)--Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets)--Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets. (Snow pellets also known as soft hail.)

Hail--Occurrences of hail.

Percentage of observations with precipitation--Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentage of the observations with precip.

Fog--Included are fog, ice fog, and ground fog.

Smoke and/or haze--Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow--Occurrences of blowing snow.

Dust and/or sand--Included are blowing dust, blowing sand, and dust.

Blowing spray--This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision--Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

Continued on Reverse

NOTE: 1. For METAR stations beginning Jan 68 and Synoptic reporting stations, only the highest order of atmospheric phenomena was reported, recorded on the AWS Forms 10a, and transmitted longline. Beginning Jan 70, METAR stations recorded all atmospheric phenomena on the AWS Form 10a, but transmitted longline only the highest order. For example, if the observation consisted of rain, fog and smoke, only the rain was transmitted longline. Our data base, as a result, contains only rain for that observation. Because of these reporting procedures the summaries for METAR and Synoptic reporting stations are highly questionable in the hourly summaries. This primarily effects the obstruction to vision columns, but may also have minor effects on the precipitation columns.

2. When the value of ".0" appears in the summaries, it represent one or more occurrences amounting to less than .05 percent.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 4.0 | 3.3 | 11.4 | | 17.1 | 16.3 | 1.0 | .9 | | 17.8 | 667 |
| | 09-11 | | 4.6 | 2.3 | 12.2 | | 18.3 | 17.2 | 1.8 | .3 | | 19.0 | 894 |
| | 12-14 | | 5.6 | .8 | 10.7 | | 16.4 | 13.0 | 2.7 | .1 | | 15.8 | 885 |
| | 15-17 | | 5.2 | .5 | 10.7 | | 15.7 | 11.8 | 2.6 | .2 | | 14.6 | 859 |
| | 18-20 | | 3.6 | .8 | 6.9 | | 11.1 | 6.7 | 1.5 | | | 8.2 | 524 |
| | 21-23 | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | | 4.6 | 1.5 | 10.4 | | 15.7 | 13.0 | 1.9 | .3 | | 15.1 | 3829 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| FEB | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 8.3 | 1.1 | 7.5 | | 16.4 | 20.0 | 3.1 | .2 | | 22.3 | 611 |
| | 09-11 | | 6.6 | .6 | 9.4 | | 16.5 | 15.8 | 4.4 | .4 | | 19.7 | 818 |
| | 12-14 | | 7.5 | .6 | 8.8 | | 16.0 | 13.3 | 4.2 | .5 | | 17.7 | 814 |
| | 15-17 | .1 | 9.5 | .6 | 7.7 | | 17.2 | 12.4 | 2.9 | .8 | | 16.0 | 792 |
| | 18-20 | .2 | 8.8 | .8 | 4.6 | | 13.6 | 13.4 | 2.8 | .4 | | 16.2 | 499 |
| | 21-23 | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | .1 | 8.1 | .7 | 7.6 | | 15.9 | 15.0 | 3.5 | .5 | | 18.4 | 3534 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| MAR | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 11.6 | .9 | 7.2 | | 18.5 | 22.0 | 2.7 | | | 23.8 | 741 |
| | 09-11 | .1 | 11.5 | .3 | 5.4 | | 16.6 | 17.0 | 1.8 | | | 18.6 | 925 |
| | 12-14 | .1 | 10.3 | .3 | 6.3 | | 16.0 | 13.9 | 2.1 | .2 | | 15.7 | 923 |
| | 15-17 | | 11.9 | .3 | 5.3 | | 17.0 | 13.0 | 1.2 | | | 14.2 | 889 |
| | 18-20 | .2 | 13.2 | .4 | 3.5 | | 16.9 | 12.4 | 1.1 | | | 13.5 | 539 |
| | 21-23 | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | .1 | 11.7 | .4 | 5.5 | | 17.0 | 15.7 | 1.8 | .0 | | 17.2 | 4017 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906

FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| APR | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 12.5 | | 1.7 | | 13.9 | 17.2 | 1.3 | .4 | | 18.6 | 746 |
| | 09-11 | | 13.9 | | 2.2 | .1 | 15.8 | 13.0 | 1.3 | .3 | | 14.4 | 879 |
| | 12-14 | | 13.8 | | 1.8 | .1 | 14.9 | 9.8 | 1.2 | .3 | | 11.0 | 882 |
| | 15-17 | .1 | 14.6 | | 2.0 | .1 | 16.0 | 11.1 | 1.2 | .3 | | 12.3 | 868 |
| | 18-20 | .2 | 12.8 | | 1.8 | | 14.6 | 12.8 | 1.0 | .4 | | 14.0 | 507 |
| | 21-23 | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | .1 | 13.5 | | 1.9 | .1 | 15.0 | 12.8 | 1.2 | .3 | | 14.1 | 3882 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & / OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|------------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 15.6 | | | | 15.6 | 24.5 | 5.4 | | | 28.5 | 895 |
| | 09-11 | .2 | 13.4 | | .1 | .1 | 13.4 | 15.3 | 4.6 | | | 19.4 | 897 |
| | 12-14 | .6 | 12.3 | | .3 | | 12.6 | 11.4 | 4.8 | | | 16.1 | 894 |
| | 15-17 | .9 | 11.6 | | .1 | | 11.7 | 11.4 | 3.1 | | | 14.3 | 874 |
| | 18-20 | 1.2 | 12.7 | | | | 12.7 | 13.7 | 3.7 | | | 16.8 | 410 |
| | 21-23 | | | | | | | | | | | | |
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| TOTALS | | .6 | 13.1 | | .1 | .0 | 13.2 | 15.3 | 4.3 | | | 19.0 | 3970 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L S T.) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUN | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | .4 | 10.5 | | | | 10.5 | 24.6 | 14.9 | | | 35.5 | 897 |
| | 09-11 | .3 | 7.6 | | | | 7.6 | 10.4 | 14.6 | | | 23.8 | 900 |
| | 12-14 | .6 | 10.0 | | | .1 | 10.0 | 6.2 | 14.1 | | | 19.4 | 900 |
| | 15-17 | 1.5 | 10.6 | | | | 10.6 | 7.4 | 13.1 | | | 20.0 | 890 |
| | 18-20 | 1.2 | 8.3 | | | | 8.3 | 6.5 | 12.2 | | | 18.5 | 433 |
| | 21-23 | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | .8 | 9.4 | | | .0 | 9.4 | 11.0 | 13.8 | | | 23.4 | 4020 |

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & / OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|------------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | .3 | 6.8 | | | | 6.8 | 25.2 | 18.7 | | | 36.9 | 892 |
| | 09-11 | .3 | 7.1 | | | | 7.1 | 10.6 | 20.0 | | | 28.5 | 897 |
| | 12-14 | .6 | 6.9 | | | | 6.9 | 6.4 | 18.4 | | | 23.9 | 895 |
| | 15-17 | 2.6 | 6.7 | | | | 6.7 | 6.0 | 18.6 | | | 23.3 | 880 |
| | 18-20 | 3.5 | 7.6 | | | | 7.6 | 5.9 | 17.7 | | | 22.5 | 423 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.5 | 7.0 | | | | 7.0 | 10.8 | 18.7 | | | 27.0 | 3987 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906

FT DEVENS AAF MA

75-84

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| AUG | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | .1 | 8.6 | | | | 8.6 | 37.5 | 15.9 | | | 48.1 | 921 |
| | 09-11 | .2 | 9.4 | | | | 9.4 | 18.0 | 22.0 | | | 38.1 | 930 |
| | 12-14 | .6 | 9.0 | | | | 9.0 | 10.5 | 16.7 | | | 28.1 | 929 |
| | 15-17 | 2.1 | 9.9 | | | | 9.9 | 9.7 | 16.3 | | | 26.4 | 913 |
| | 18-20 | 2.4 | 7.5 | | | | 7.5 | 14.9 | 17.7 | | | 30.4 | 451 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.1 | 8.9 | | | | 8.9 | 18.1 | 18.5 | | | 34.2 | 4144 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 10.8 | | | | 10.8 | 35.3 | 9.2 | | | 40.0 | 863 |
| | 09-11 | .1 | 10.6 | | | | 10.6 | 17.4 | 9.9 | | | 25.3 | 870 |
| | 12-14 | .1 | 9.6 | | | | 9.6 | 10.3 | 10.0 | | | 19.1 | 868 |
| | 15-17 | .6 | 9.4 | | | | 9.4 | 10.5 | 8.5 | | | 18.1 | 839 |
| | 18-20 | 1.0 | 9.1 | | | | 9.1 | 13.6 | 7.8 | | | 19.9 | 396 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 9.9 | | | | 9.9 | 17.4 | 9.1 | | | 24.5 | 3836 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| OCT | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | .1 | 10.8 | | .1 | | 10.9 | 37.1 | 1.6 | | | 37.9 | 860 |
| | 09-11 | | 10.3 | | .7 | | 11.0 | 20.2 | 3.1 | | | 22.8 | 892 |
| | 12-14 | | 11.4 | | .3 | | 11.8 | 12.4 | 4.5 | | | 16.8 | 885 |
| | 15-17 | .2 | 13.3 | | .3 | | 13.7 | 12.9 | 4.1 | | | 17.0 | 878 |
| | 18-20 | .2 | 13.4 | | .5 | | 13.9 | 15.9 | 3.5 | | | 19.2 | 433 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 11.8 | | .4 | | 12.3 | 19.7 | 3.4 | | | 22.7 | 3948 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HALE | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| NOV | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 13.7 | .3 | 1.1 | | 15.2 | 26.5 | 1.1 | | | 26.6 | 620 |
| | 09-11 | | 11.9 | .4 | 2.2 | | 14.4 | 20.7 | 1.7 | | | 21.7 | 831 |
| | 12-14 | | 9.0 | | 2.5 | | 11.4 | 13.1 | 1.8 | | | 14.9 | 830 |
| | 15-17 | | 9.6 | | 2.9 | | 12.3 | 11.1 | 2.8 | | | 13.8 | 821 |
| | 18-20 | .2 | 10.1 | | 1.4 | | 11.4 | 13.8 | 1.9 | | | 15.1 | 516 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 10.9 | .1 | 2.0 | | 12.9 | 17.0 | 1.9 | | | 18.4 | 3618 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

744906 FT DEVENS AAF MA

75-84

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| DEC | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | | 6.6 | 2.4 | 7.1 | | 15.8 | 18.7 | 1.0 | .3 | | 20.0 | 620 |
| | 09-11 | | 6.6 | 1.6 | 11.3 | | 19.2 | 16.7 | 2.2 | .6 | | 19.1 | 821 |
| | 12-14 | | 6.1 | 2.1 | 10.0 | | 17.5 | 14.7 | 2.1 | .4 | | 16.9 | 804 |
| | 15-17 | | 5.9 | 1.4 | 9.7 | | 16.5 | 14.6 | 1.3 | .3 | | 15.6 | 783 |
| | 18-20 | .2 | 4.4 | 2.0 | 7.9 | | 13.8 | 14.8 | 1.1 | | | 15.3 | 458 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 5.9 | 1.9 | 9.2 | | 16.6 | 15.9 | 1.5 | .3 | | 17.4 | 3486 |

1
OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SURFACE WINDS

PART 2

Presented in this part are various tabulations of surface winds as follows:

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm vs 11 wind speed (knots) increments in Beaufort classifications. Percentages are shown for both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

These tables are prepared for all years combined, by month by available 3-hour groups.

A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.6 | 5.2 | 1.8 | | | | | | | | | 10.6 | 4.4 |
| NNE | .9 | .7 | 1.2 | | | | | | | | | 2.8 | 6.1 |
| NE | .1 | .4 | .1 | | | | | | | | | .7 | 5.0 |
| ENE | | .3 | | | | | | | | | | .3 | 5.0 |
| E | .3 | | | | | | | | | | | .3 | 3.0 |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | .6 | .1 | | | | | | | | | | .7 | 2.6 |
| S | 1.3 | .1 | .9 | | .1 | | | | | | | 2.5 | 5.4 |
| SSW | 1.5 | 1.5 | .3 | .1 | | | | | | | | 3.4 | 4.3 |
| SW | 1.3 | 1.6 | .4 | .3 | | | | | | | | 3.7 | 4.8 |
| WSW | 2.5 | 2.1 | 1.0 | .1 | | | | | | | | 5.8 | 4.7 |
| W | 2.4 | 3.7 | 2.5 | .6 | .1 | | | | | | | 9.4 | 6.2 |
| WNW | 1.3 | 1.8 | 1.5 | .3 | | | | | | | | 4.9 | 5.9 |
| NW | 1.3 | 2.8 | .3 | .6 | | | | | | | | 5.1 | 5.4 |
| NNW | 1.8 | 1.9 | .7 | .1 | | | | | | | | 4.6 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 44.7 | |
| | 19.2 | 22.6 | 10.9 | 2.2 | .3 | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS

667

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURLY (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.8 | 4.6 | 2.1 | .1 | | | | | | | | 10.6 | 4.7 |
| NNE | 1.5 | 2.6 | 1.5 | .3 | | | | | | | | 5.8 | 5.6 |
| NE | .6 | .6 | .2 | .1 | | | | | | | | 1.5 | 5.2 |
| ENE | .3 | | | | | | | | | | | .3 | 1.3 |
| E | | .1 | .1 | | | | | | | | | .2 | 6.0 |
| ESE | .2 | .1 | | | | | | | | | | .3 | 3.0 |
| SE | .6 | .3 | .1 | | | | | | | | | 1.0 | 3.7 |
| SSE | .7 | .2 | | .1 | | | | | | | | 1.0 | 4.1 |
| S | 1.3 | .9 | .7 | .3 | .1 | | | | | | | 3.4 | 5.4 |
| SSW | 2.1 | 2.1 | .2 | .2 | | | | | | | | 4.7 | 4.8 |
| SW | 1.0 | 2.2 | .2 | .1 | .1 | | | | | | | 3.7 | 5.2 |
| WSW | .7 | 1.1 | 1.8 | 1.8 | .1 | | | | | | | 4.7 | 7.9 |
| W | 1.2 | 2.0 | 5.7 | 1.7 | .2 | | | | | | | 10.9 | 8.8 |
| WNW | .9 | 2.3 | 4.1 | 1.8 | .1 | | | | | | | 9.3 | 8.1 |
| NW | 1.1 | 3.6 | 3.7 | .8 | .2 | | | | | | | 9.4 | 7.1 |
| NNW | 1.7 | 3.2 | 2.0 | .2 | | | | | | | | 7.2 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.1 | |
| | 17.7 | 26.1 | 22.5 | 6.8 | .9 | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURE (LST)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.6 | 4.7 | 3.1 | .6 | | | | | | | | 12.0 | 5.3 |
| NNE | 1.7 | 2.3 | 1.4 | .2 | | | | | | | | 5.5 | 5.1 |
| NE | .8 | .2 | | .5 | | | | | | | | 1.5 | 5.8 |
| ENE | .1 | .1 | | | | | | | | | | .2 | 5.5 |
| E | .6 | .2 | .1 | | | | | | | | | .9 | 5.8 |
| ESE | .5 | .2 | | | | | | | | | | .7 | 5.0 |
| SE | .8 | .2 | .1 | | | | | | | | | 1.1 | 5.1 |
| SSE | .9 | .6 | | | | | | | | | | 1.5 | 2.6 |
| S | 1.7 | 1.9 | .3 | .2 | .1 | | | | | | | 3.8 | 4.8 |
| SSW | .8 | 1.5 | .7 | .5 | | | | | | | | 3.4 | 5.8 |
| SW | .5 | 1.1 | 1.9 | .3 | .1 | | | | | | | 3.5 | 7.3 |
| WSW | .6 | 1.0 | 2.0 | .8 | .2 | | | | | | | 4.6 | 8.1 |
| W | 1.0 | 3.3 | 6.8 | 2.5 | .5 | .1 | | | | | | 14.1 | 8.6 |
| WNW | .7 | 2.7 | 5.3 | 2.8 | .2 | | | | | | | 11.8 | 8.9 |
| NW | 1.2 | 3.4 | 4.4 | 1.2 | .1 | | | | | | | 18.4 | 7.5 |
| NNW | 1.5 | 3.3 | 3.6 | .8 | .1 | | | | | | | 9.3 | 6.8 |
| VARBL | | | | | | | | | | | | 15.7 | |
| CALM | | | | | | | | | | | | | |
| | 16.8 | 26.3 | 29.3 | 10.4 | 1.4 | .1 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS

885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (LST)

CONDITION

| SPEED KNTS DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 2.9 | 4.0 | 2.2 | .1 | | | | | | | | 9.2 | 5.1 |
| NNE | 1.6 | .9 | .8 | .1 | | | | | | | | 3.5 | 4.8 |
| NE | .3 | .7 | .2 | | | | | | | | | 1.3 | 4.5 |
| ENE | .3 | .3 | | | | | | | | | | .7 | 3.2 |
| E | .5 | .2 | .2 | | | | | | | | | .9 | 4.6 |
| ESE | .9 | | | | | | | | | | | .9 | 1.6 |
| SE | .3 | .5 | | | | | | | | | | .8 | 3.0 |
| SEF | 1.5 | .7 | .2 | | | | | | | | | 2.4 | 3.3 |
| S | 2.0 | .9 | .5 | .2 | | | | | | | | 3.6 | 4.3 |
| SSW | .9 | .9 | .5 | .2 | | | | | | | | 2.6 | 5.2 |
| SW | 2.1 | 1.4 | .6 | .2 | .1 | | | | | | | 4.4 | 4.8 |
| WSW | 1.3 | 2.0 | 1.0 | .6 | | | | | | | | 4.9 | 5.8 |
| W | 2.2 | 4.9 | 5.2 | 2.7 | .2 | | | | | | | 15.3 | 7.5 |
| WNW | 2.0 | 4.5 | 5.1 | 1.6 | .5 | | | | | | | 13.7 | 7.3 |
| NW | 1.6 | 4.4 | 3.7 | .6 | | | | | | | | 10.4 | 6.5 |
| NNW | 1.6 | 3.4 | 2.3 | .8 | | | | | | | | 8.1 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.2 | |
| | 22.2 | 29.8 | 22.7 | 7.2 | .8 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

859

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.5 | 3.1 | 1.0 | .2 | | | | | | | | 6.7 | 4.8 |
| NNE | 1.3 | .6 | .2 | | | | | | | | | 2.1 | 3.5 |
| NE | .2 | .2 | .2 | | | | | | | | | .6 | 4.3 |
| ENE | .2 | | | | | | | | | | | .2 | 3.8 |
| E | .2 | .2 | .2 | .2 | | | | | | | | .8 | 6.5 |
| ESE | .4 | .2 | | | | | | | | | | .6 | 3.7 |
| SE | | .2 | | | | | | | | | | .2 | 6.0 |
| SSE | .2 | | .2 | | | | | | | | | .4 | 5.8 |
| S | .4 | .8 | .2 | .2 | | | | | | | | 1.5 | 5.8 |
| SSW | 1.9 | 1.9 | .6 | | .2 | | | | | | | 4.2 | 4.8 |
| SW | 1.1 | 1.8 | .4 | .2 | | | | | | | | 2.7 | 5.0 |
| WSW | 1.5 | 1.3 | .4 | .2 | | | | | | | | 3.4 | 4.4 |
| W | 4.6 | 6.7 | 3.4 | 1.7 | .4 | | | | | | | 16.8 | 6.8 |
| WNW | 2.1 | 3.8 | 1.1 | .4 | .2 | | | | | | | 6.8 | 5.3 |
| NW | 1.9 | 3.2 | 2.1 | .2 | | | | | | | | 7.4 | 5.6 |
| NNW | 2.3 | 2.9 | 1.3 | .2 | | | | | | | | 6.7 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 37.0 | |
| | 20.8 | 26.7 | 11.3 | 3.4 | .8 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS

524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.9 | 3.3 | 3.3 | | | | | | | | | 11.5 | 4.0 |
| NNE | 1.8 | 1.8 | .5 | .2 | | | | | | | | 4.3 | 4.8 |
| NE | .2 | .5 | .2 | | | | | | | | | .8 | 5.2 |
| ENE | .2 | .3 | .2 | | | | | | | | | .7 | 4.8 |
| E | | .3 | | | | | | | | | | .3 | 4.0 |
| ESE | .5 | | | | | | | | | | | .5 | 2.8 |
| SE | .3 | | | .2 | | | | | | | | .5 | 6.0 |
| SSE | .7 | .2 | .5 | .2 | | | | | | | | 1.5 | 5.7 |
| S | .8 | .9 | .2 | | | | | | | | | 1.5 | 3.7 |
| SSW | 2.5 | 1.3 | | | | | | | | | | 3.8 | 3.2 |
| SW | 1.0 | 1.8 | .8 | | | | | | | | | 3.4 | 5.0 |
| WSW | 1.3 | 1.8 | .3 | | | | | | | | | 3.6 | 4.9 |
| W | 1.3 | 3.8 | 1.1 | 1.0 | | | | | | | | 7.2 | 5.9 |
| WNW | 1.8 | 1.9 | 1.3 | .3 | | | | | | | | 4.9 | 5.8 |
| NW | 1.6 | 2.1 | 1.8 | .5 | | | | | | | | 6.1 | 5.9 |
| NNW | .8 | 2.1 | 2.1 | .3 | | | | | | | | 5.4 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 44.2 | |
| | 19.6 | 21.1 | 12.3 | 2.8 | | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS

611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.8 | 5.9 | 4.9 | .7 | | | | | | | | 14.3 | 5.9 |
| NNE | 2.7 | 2.4 | 1.3 | .1 | | | | | | | | 6.6 | 4.7 |
| NE | 1.1 | 1.0 | | | | | | | | | | 2.1 | 3.3 |
| ENE | .4 | .2 | | | | | | | | | | .6 | 3.8 |
| E | .2 | 1.1 | .1 | | | | | | | | | 1.5 | 4.3 |
| ESE | .2 | .2 | | | | | | | | | | .5 | 2.8 |
| SE | .7 | | .1 | | | | | | | | | .9 | 3.1 |
| SSE | 1.5 | .7 | .1 | | | | | | | | | 2.3 | 3.2 |
| S | .9 | .9 | .5 | .1 | .2 | | | | | | | 2.6 | 6.6 |
| SSW | 1.2 | 2.2 | 1.1 | .4 | .1 | | | | | | | 5.0 | 6.8 |
| SW | .2 | 2.1 | .9 | .1 | | | | | | | | 3.3 | 6.8 |
| WSW | .4 | 1.0 | .9 | .1 | | | | | | | | 2.3 | 6.3 |
| W | 1.2 | 3.8 | 4.8 | 1.6 | .2 | | | | | | | 18.9 | 7.3 |
| WNW | .4 | 2.6 | 3.3 | 1.0 | | | | | | | | 7.2 | 7.7 |
| NW | .6 | 3.7 | 5.0 | 1.1 | | | | | | | | 10.4 | 7.3 |
| NNW | 1.8 | 2.9 | 3.1 | 1.3 | | | | | | | | 9.2 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.4 | |
| | 16.4 | 30.7 | 25.3 | 6.6 | .6 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

FEB

STATION

STATION NAME

YEARS

ALL WEATHER

CLASS

CONDITION

1200-1400

HOURS (L.S.T.)

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.3 | 5.0 | 4.2 | .6 | | | | | | | | 13.1 | 5.4 |
| NNE | 1.6 | 2.1 | 1.1 | .2 | | | | | | | | 5.0 | 5.5 |
| NE | .9 | 1.6 | .4 | .1 | | | | | | | | 2.9 | 4.8 |
| ENE | .5 | .2 | .2 | | | | | | | | | 1.8 | 4.3 |
| E | 1.1 | .3 | .4 | | | | | | | | | 2.0 | 4.2 |
| ESE | .7 | .4 | .2 | | | | | | | | | 1.4 | 4.0 |
| SE | .5 | .6 | | | | | | | | | | 1.1 | 3.8 |
| SSE | .6 | .2 | .2 | .1 | | | | | | | | 1.2 | 5.1 |
| S | .6 | 2.5 | 1.1 | .9 | .1 | | | | | | | 5.2 | 7.2 |
| SSW | 1.1 | 1.2 | 1.6 | .7 | | | | | | | | 4.7 | 6.9 |
| SW | .6 | 1.3 | 1.7 | .6 | .1 | | | | | | | 4.5 | 7.6 |
| WSW | 1.5 | 1.8 | 1.2 | .4 | | | | | | | | 4.9 | 6.0 |
| W | .5 | 2.9 | 4.1 | 2.1 | .4 | | | | | | | 10.0 | 6.3 |
| WNW | .2 | 2.1 | 4.4 | 2.5 | .2 | | | | | | | 9.5 | 9.0 |
| NW | .9 | 3.7 | 7.6 | 2.0 | .2 | | | | | | | 14.4 | 8.1 |
| NNW | 1.8 | 2.9 | 3.9 | 1.2 | | | | | | | | 10.0 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 16.5 | 29.4 | 32.4 | 11.4 | 1.1 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS

814

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.8 | 4.5 | 4.2 | .6 | | | | | | | | 13.1 | 5.7 |
| NNE | .8 | .9 | .4 | .2 | | | | | | | | 2.1 | 5.0 |
| NE | 1.6 | .5 | .5 | | .1 | | | | | | | 2.8 | 4.1 |
| ENE | .5 | .4 | .5 | | | | | | | | | 1.4 | 5.5 |
| E | 1.1 | .9 | .1 | .1 | | | | | | | | 2.3 | 3.9 |
| ESE | 1.0 | .5 | .3 | | | | | | | | | 1.8 | 3.9 |
| SE | .8 | | | | | | | | | | | .8 | 2.0 |
| SSE | .6 | .3 | .3 | | | | | | | | | 1.1 | 4.8 |
| S | .3 | 2.1 | 1.6 | .3 | .3 | | | | | | | 4.5 | 7.3 |
| SSW | 1.3 | 1.1 | .8 | .4 | | .1 | | | | | | 3.7 | 6.2 |
| SW | .9 | 1.8 | 1.9 | .3 | | | | | | | | 4.8 | 6.3 |
| WSW | 1.3 | 1.5 | 1.6 | .3 | .1 | | | | | | | 4.8 | 6.3 |
| W | 1.6 | 3.3 | 2.9 | 1.4 | | | | | | | | 9.7 | 7.0 |
| WNW | 1.0 | 3.8 | 4.4 | 1.4 | .3 | .1 | | | | | | 11.0 | 7.7 |
| NW | 1.4 | 3.7 | 7.4 | 1.8 | | | | | | | | 14.3 | 7.4 |
| NNW | 1.8 | 3.2 | 4.4 | 1.5 | .1 | | | | | | | 11.0 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.9 | |
| | 19.7 | 28.4 | 31.3 | 8.6 | .9 | .3 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS

792

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED KNTS: DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.8 | 3.6 | 2.6 | .6 | | | | | | | | 11.6 | 5.0 |
| NNE | .8 | .8 | .4 | | | | | | | | | 2.0 | 4.7 |
| NE | 1.2 | .6 | .4 | | | | | | | | | 2.2 | 3.6 |
| ENE | .6 | .4 | | | | | | | | | | 1.0 | 3.0 |
| E | 1.0 | .6 | | | | | | | | | | 1.6 | 2.9 |
| ESE | 1.0 | | | .4 | | | | | | | | 1.4 | 5.0 |
| SE | .8 | .6 | | | | | | | | | | 1.4 | 3.1 |
| SSE | .2 | .2 | .2 | | | | | | | | | .6 | 5.0 |
| S | 1.6 | 1.2 | 1.0 | .2 | .2 | | | | | | | 4.2 | 6.2 |
| SSW | 1.4 | 1.6 | 1.0 | .2 | | | | | | | | 4.2 | 5.6 |
| SW | .6 | .8 | .2 | | | | | | | | | 1.6 | 4.0 |
| WSW | 1.2 | .2 | 1.6 | | | | | | | | | 3.0 | 5.7 |
| W | 1.6 | 3.8 | 1.2 | .6 | | | | | | | | 7.2 | 5.0 |
| WNW | 2.6 | 3.2 | 2.6 | .8 | | | | | | | | 9.2 | 5.7 |
| NW | 3.6 | 5.2 | 3.8 | .8 | | | | | | | | 13.4 | 5.7 |
| NNW | 3.0 | 2.0 | 1.2 | | | | | | | | | 6.2 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 29.1 | |
| | 26.1 | 24.8 | 16.2 | 3.6 | .2 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS

999

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L & T)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 5.0 | 4.6 | 2.0 | .4 | | | | | | | | 12.0 | 4.6 |
| NNE | 1.8 | 3.5 | 1.3 | .1 | | | | | | | | 6.7 | 5.0 |
| NE | .3 | .3 | .5 | .1 | | | | | | | | 1.2 | 6.2 |
| ENE | .4 | .3 | .3 | | | | | | | | | .9 | 4.6 |
| E | .3 | .4 | .1 | | | | | | | | | .8 | 4.3 |
| ESE | | | | | | | | | | | | | |
| SE | .5 | .3 | | | | | | | | | | .8 | 3.2 |
| SSE | .7 | .8 | .1 | | | | | | | | | 1.6 | 4.2 |
| S | 1.6 | 1.2 | .7 | | | | | | | | | 3.5 | 4.8 |
| SSW | 2.4 | 1.2 | 1.6 | .4 | | | | | | | | 5.7 | 5.5 |
| SW | 1.1 | 1.2 | .3 | | | | | | | | | 2.6 | 4.1 |
| WSW | .7 | .4 | .5 | | | | | | | | | 1.6 | 4.6 |
| W | 1.5 | 2.8 | 2.4 | .8 | .1 | | | | | | | 7.7 | 6.7 |
| WNW | 1.1 | 1.8 | 2.0 | 1.1 | | | | | | | | 5.9 | 7.3 |
| NW | 1.6 | 2.8 | 3.2 | .7 | | | | | | | | 8.4 | 6.5 |
| NNW | 1.5 | 2.3 | 2.4 | .1 | | | | | | | | 6.3 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.1 | |
| | 20.4 | 23.9 | 17.7 | 3.8 | .1 | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS

741

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.0 | 5.8 | 3.2 | 1.3 | | | | | | | | 13.4 | 6.0 |
| NNE | 1.1 | 4.3 | 1.8 | .4 | | | | | | | | 7.7 | 5.8 |
| NE | 1.2 | 1.8 | .5 | .2 | | | | | | | | 3.8 | 4.9 |
| ENE | 1.3 | 1.1 | .3 | .1 | | | | | | | | 2.8 | 4.3 |
| E | .5 | 1.6 | .4 | | | | | | | | | 2.6 | 4.8 |
| ESE | .1 | .3 | .1 | | | | | | | | | .5 | 4.6 |
| SE | .5 | .3 | .2 | | | | | | | | | 1.1 | 4.1 |
| SSE | .4 | 1.0 | .3 | .1 | | | | | | | | 1.8 | 5.5 |
| S | 1.5 | 2.5 | 1.1 | .1 | | | | | | | | 5.2 | 5.2 |
| SSW | 1.2 | 1.4 | 1.8 | .4 | .2 | | | | | | | 5.1 | 6.7 |
| SW | .2 | 1.6 | 1.0 | .3 | | | | | | | | 3.1 | 6.7 |
| WSW | .2 | .6 | .8 | .2 | | | | | | | | 1.8 | 6.9 |
| W | 1.4 | 1.6 | 4.4 | 2.1 | .1 | | | | | | | 9.6 | 8.4 |
| WNW | .9 | 1.0 | 4.4 | 2.4 | .2 | | | | | | | 8.9 | 9.2 |
| NW | .6 | 2.2 | 5.5 | 2.5 | | | | | | | | 10.8 | 8.5 |
| NNW | 1.5 | 2.5 | 3.2 | 1.1 | | | | | | | | 8.3 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.4 | |
| | 15.8 | 29.7 | 29.3 | 11.2 | .5 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS

925

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 4.3 | 4.4 | .7 | | | | | | | | 10.8 | 6.6 |
| NNE | 2.1 | 3.5 | 1.5 | .2 | | | | | | | | 7.3 | 5.3 |
| NE | 1.4 | 1.5 | .5 | .2 | .1 | | | | | | | 3.8 | 5.4 |
| ENE | .8 | 1.2 | .3 | | | | | | | | | 2.3 | 4.4 |
| E | 1.1 | 1.1 | 1.4 | .1 | | | | | | | | 3.7 | 5.9 |
| ESE | .5 | 1.0 | .1 | | | | | | | | | 1.6 | 4.1 |
| SE | .4 | .4 | .4 | | | | | | | | | 1.3 | 5.1 |
| SSE | .3 | 1.7 | 1.1 | .1 | | | | | | | | 3.3 | 6.1 |
| S | 1.0 | 2.5 | 2.6 | .5 | .3 | | | | | | | 6.9 | 7.1 |
| SSW | 1.1 | 1.8 | 2.9 | 1.1 | | | | | | | | 6.9 | 7.4 |
| SW | .5 | 1.0 | 1.5 | .4 | .1 | | | | | | | 3.6 | 7.2 |
| WSW | .1 | .2 | 1.1 | .1 | | | | | | | | 1.5 | 6.3 |
| W | .3 | 1.2 | 4.6 | 3.3 | .2 | | | | | | | 9.5 | 9.9 |
| WNW | .5 | 1.4 | 3.7 | 3.7 | .3 | .1 | | | | | | 9.4 | 10.1 |
| NW | .5 | 2.5 | 6.1 | 3.1 | .2 | | | | | | | 12.5 | 9.3 |
| NNW | .9 | 2.2 | 4.3 | 1.0 | | | | | | | | 8.3 | 7.6 |
| VARBL | | | | | | | | | | | | 6.9 | |
| CALM | | | | | | | | | | | | | |
| | 13.0 | 27.5 | 36.6 | 14.5 | 1.3 | .1 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS

923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L & T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.7 | 4.7 | 3.9 | .4 | | | | | | | | 10.8 | 6.3 |
| NNE | 1.1 | 3.4 | 1.0 | .1 | | | | | | | | 5.6 | 5.1 |
| NE | 1.3 | 1.3 | .3 | .1 | | | | | | | | 3.1 | 4.9 |
| ENE | .9 | .6 | .7 | | | | | | | | | 2.1 | 5.0 |
| E | 1.6 | 1.6 | 1.5 | | | | | | | | | 4.6 | 5.2 |
| ESE | .6 | .4 | .6 | | | | | | | | | 1.6 | 5.1 |
| SE | .6 | .7 | .4 | | | | | | | | | 1.7 | 5.3 |
| SSE | .7 | .9 | 1.5 | .7 | | | | | | | | 3.7 | 7.2 |
| S | .9 | 2.4 | 1.9 | .8 | | | | | | | | 6.0 | 6.0 |
| SSW | .6 | 2.2 | 2.2 | 1.5 | | | | | | | | 6.5 | 7.8 |
| SW | .6 | 1.1 | .9 | .3 | | | | | | | | 2.9 | 6.7 |
| WSW | .3 | .9 | 1.2 | .2 | | | | | | | | 2.7 | 6.8 |
| W | .2 | 2.8 | 4.2 | 1.6 | | | | | | | | 8.0 | 8.2 |
| WNW | .2 | 1.8 | 5.6 | 2.7 | | | | | | | | 10.3 | 9.1 |
| NW | .7 | 3.3 | 6.7 | 2.8 | | | | | | | | 13.5 | 8.6 |
| NNW | 1.5 | 2.0 | 3.7 | 1.7 | | | | | | | | 8.9 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.1 | |
| | 13.4 | 30.1 | 36.4 | 12.9 | | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS

889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L & T)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.5 | 4.6 | 3.0 | | | | | | | | | 12.1 | 4.9 |
| NNE | 2.0 | 3.3 | .2 | .2 | | | | | | | | 5.8 | 4.3 |
| NE | 1.1 | .2 | | | | | | | | | | 1.3 | 2.6 |
| ENE | .6 | .2 | .2 | | | | | | | | | .9 | 4.0 |
| E | 1.5 | 1.9 | .2 | .2 | | | | | | | | 3.7 | 4.2 |
| ESE | 1.3 | 1.3 | .6 | | | | | | | | | 3.2 | 4.1 |
| SE | .9 | .9 | .6 | .4 | | | | | | | | 2.8 | 5.7 |
| SSE | .6 | .4 | .6 | | | | | | | | | 1.5 | 5.6 |
| S | .2 | 1.5 | 2.8 | .4 | | | | | | | | 4.8 | 7.5 |
| SSW | .7 | 1.9 | 2.2 | .4 | | | | | | | | 5.2 | 6.9 |
| SW | 1.1 | 1.5 | .4 | | | | | | | | | 3.0 | 4.4 |
| WSW | 1.1 | .4 | .9 | | | | | | | | | 2.6 | 4.8 |
| W | 2.8 | 2.6 | 3.5 | .7 | | | | | | | | 9.6 | 6.1 |
| WNW | .7 | 2.6 | 3.9 | 1.7 | | | | | | | | 8.9 | 7.9 |
| NW | 2.4 | 1.3 | 3.9 | .7 | .2 | | | | | | | 8.5 | 7.0 |
| NNW | 1.7 | 3.3 | 2.0 | .7 | .2 | | | | | | | 8.0 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.4 | |
| | 23.2 | 27.8 | 24.9 | 5.4 | .4 | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS

539

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOOURS (LST)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.5 | 4.2 | 2.5 | .5 | | | | | | | | 18.7 | 5.2 |
| NNE | 1.6 | 2.3 | .9 | | | | | | | | | 4.8 | 4.4 |
| NE | .8 | 1.7 | .7 | | | | | | | | | 3.2 | 4.8 |
| ENE | .7 | .3 | | | | | | | | | | .9 | 3.8 |
| E | 1.5 | .5 | .5 | | | | | | | | | 2.5 | 3.4 |
| ESE | .5 | .4 | | .1 | | | | | | | | 1.1 | 4.1 |
| SE | | .5 | .3 | | | | | | | | | .8 | 5.2 |
| SSE | .9 | .4 | .7 | .1 | | | | | | | | 2.1 | 5.6 |
| S | .9 | 2.1 | .4 | | | | | | | | | 3.5 | 4.8 |
| SSW | 1.5 | 1.7 | 1.9 | .5 | | | | | | | | 5.6 | 5.9 |
| SW | .5 | 1.9 | .9 | .3 | | | | | | | | 3.6 | 6.1 |
| WSW | .5 | .5 | .7 | | | | | | | | | 1.7 | 5.3 |
| W | 1.5 | 2.4 | 2.4 | .4 | .3 | | | | | | | 7.0 | 6.9 |
| WNW | .8 | 2.8 | 1.7 | .9 | | | | | | | | 6.3 | 6.9 |
| NW | .8 | 2.5 | 4.3 | 1.3 | | | | | | | | 9.8 | 7.8 |
| NNW | .5 | 2.3 | 2.5 | .8 | | | | | | | | 6.2 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.8 | |
| | 16.6 | 26.7 | 20.5 | 5.1 | .3 | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS

796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 4.6 | 4.7 | 1.0 | | | | | | | | 11.4 | 6.9 |
| NNE | 2.0 | 2.3 | 1.7 | | | | | | | | | 6.0 | 4.8 |
| NE | 1.8 | 2.7 | 1.3 | .2 | | | | | | | | 6.0 | 5.1 |
| ENE | 1.1 | 1.5 | .6 | | | | | | | | | 3.2 | 4.5 |
| E | .8 | 2.2 | .9 | .1 | | | | | | | | 4.0 | 5.3 |
| ESE | .2 | 1.4 | .5 | .1 | | | | | | | | 2.2 | 5.8 |
| SE | .1 | 1.3 | .3 | .2 | | | | | | | | 1.9 | 6.6 |
| SSE | .5 | .9 | .9 | .6 | | | | | | | | 2.8 | 6.8 |
| S | .9 | 1.3 | 2.4 | .5 | | | | | | | | 5.0 | 6.8 |
| SSW | .3 | 1.5 | 2.0 | 1.3 | | | | | | | | 5.1 | 8.1 |
| SW | .3 | .8 | 1.3 | .8 | | | | | | | | 3.2 | 8.2 |
| WSW | .2 | .5 | 1.5 | .6 | | | | | | | | 2.7 | 8.3 |
| W | 1.1 | 2.2 | 3.2 | 1.9 | .3 | | | | | | | 8.8 | 8.4 |
| WNW | .3 | 1.7 | 3.4 | 2.5 | | | | | | | | 8.0 | 9.2 |
| NW | .7 | 2.8 | 4.1 | 3.9 | .1 | | | | | | | 11.6 | 9.1 |
| NNW | .9 | 1.6 | 4.6 | 1.8 | | | | | | | | 8.9 | 8.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 12.6 | 29.0 | 33.2 | 15.5 | .5 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS

879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.0 | 3.6 | 3.7 | 1.9 | | | | | | | | 11.3 | 7.1 |
| NNE | 1.4 | 2.3 | 1.9 | .1 | | | | | | | | 5.7 | 5.8 |
| NE | 1.4 | 2.4 | .8 | | | | | | | | | 4.5 | 4.9 |
| ENE | 1.1 | .9 | 1.0 | .1 | | | | | | | | 3.2 | 5.4 |
| E | 1.0 | 2.5 | 1.9 | .5 | | | | | | | | 5.9 | 6.3 |
| ESE | .5 | .6 | 1.4 | | | | | | | | | 2.4 | 6.5 |
| SE | .6 | .5 | .8 | .2 | | | | | | | | 2.0 | 6.7 |
| ESE | .1 | .9 | 1.6 | .3 | | | | | | | | 2.9 | 7.9 |
| S | .9 | 1.4 | 1.0 | 1.5 | | | | | | | | 4.8 | 7.8 |
| SSW | .2 | .8 | 1.5 | 1.2 | .3 | | | | | | | 4.1 | 9.8 |
| SW | .3 | 1.0 | 2.0 | 1.1 | .2 | | | | | | | 4.8 | 9.0 |
| WSW | .7 | 1.1 | 1.9 | .7 | | | | | | | | 4.4 | 7.4 |
| W | .6 | 1.6 | 4.1 | 2.2 | .6 | | | | | | | 9.0 | 9.3 |
| WNW | .7 | 1.5 | 4.2 | 3.4 | .6 | .1 | | | | | | 10.4 | 10.1 |
| NW | .3 | 1.9 | 4.8 | 4.1 | .1 | | | | | | | 11.2 | 9.7 |
| NNW | .3 | 1.7 | 3.9 | 2.4 | | | | | | | | 8.3 | 9.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.1 | |
| | 12.1 | 24.6 | 36.5 | 19.7 | 1.8 | .1 | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS

882

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.2 | 2.9 | 3.9 | 1.3 | | | | | | | | 10.3 | 6.6 |
| NNE | 1.5 | 1.7 | 1.5 | | | | | | | | | 4.7 | 5.2 |
| NE | .5 | .9 | .3 | | | | | | | | | 1.7 | 5.1 |
| ENE | .6 | 1.0 | .6 | .1 | | | | | | | | 2.3 | 5.6 |
| E | 1.3 | 1.6 | 2.5 | .2 | | | | | | | | 5.6 | 6.5 |
| ESE | .7 | 1.7 | 3.1 | .1 | | | | | | | | 5.6 | 6.9 |
| SE | .6 | .7 | 1.7 | .7 | | | | | | | | 3.7 | 7.7 |
| SSE | .3 | .5 | 1.0 | .1 | | | | | | | | 2.0 | 7.0 |
| S | .8 | 1.4 | 1.3 | 1.5 | .1 | | | | | | | 5.1 | 8.0 |
| SSW | .5 | 1.5 | 1.6 | 1.0 | | | | | | | | 5.4 | 8.9 |
| SW | .2 | 1.2 | 1.6 | 1.2 | .3 | | | | | | | 4.5 | 9.2 |
| WSW | .6 | 1.0 | .7 | .8 | | | | | | | | 3.1 | 7.6 |
| W | .3 | 3.0 | 3.1 | 2.0 | .1 | | | | | | | 8.5 | 8.2 |
| WNW | .5 | 2.0 | 4.6 | 2.5 | .3 | | | | | | | 9.9 | 9.2 |
| NW | .6 | 1.7 | 4.4 | 4.1 | .1 | | | | | | | 10.9 | 9.5 |
| NNW | .9 | 3.5 | 6.3 | 1.8 | .1 | | | | | | | 12.7 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.9 | |
| | 12.0 | 26.3 | 30.4 | 18.3 | 1.2 | | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS

868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

5-84

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (LST)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.4 | 3.7 | 2.0 | .4 | | | | | | | | 8.5 | 5.4 |
| NNE | .8 | 1.6 | 1.0 | | | | | | | | | 3.4 | 5.6 |
| NE | 1.2 | 1.0 | .2 | | | | | | | | | 2.4 | 3.5 |
| ENE | 1.0 | 1.8 | .2 | | | | | | | | | 3.0 | 4.1 |
| E | 1.4 | 2.4 | 1.4 | | | | | | | | | 5.1 | 5.1 |
| ESE | 1.2 | 3.0 | 1.0 | | | | | | | | | 5.1 | 4.9 |
| SE | .4 | 1.6 | 1.0 | .2 | | | | | | | | 3.2 | 6.2 |
| SSE | .8 | 1.0 | 1.4 | .6 | | | | | | | | 3.7 | 7.3 |
| S | 1.0 | 1.8 | 1.8 | .6 | | | | | | | | 4.3 | 7.1 |
| SSW | .2 | 1.8 | 2.0 | 2.0 | | | | | | | | 5.9 | 9.8 |
| SW | .8 | .6 | 1.0 | .8 | | | | | | | | 3.2 | 7.4 |
| WSW | .8 | .8 | 1.4 | .2 | | | | | | | | 3.2 | 6.4 |
| W | 1.0 | 2.4 | 1.6 | .4 | .2 | | | | | | | 5.6 | 6.4 |
| WNW | 1.8 | 2.2 | 2.6 | 1.0 | | | | | | | | 7.5 | 6.3 |
| NW | .8 | 4.7 | 4.7 | 1.6 | | | | | | | | 11.8 | 7.3 |
| NNW | 2.4 | 3.2 | 3.2 | 1.0 | | | | | | | | 9.7 | 6.2 |
| VARBL | | | | | | | | | | | | 14.6 | |
| CALM | | | | | | | | | | | | | |
| | 17.8 | 32.5 | 26.2 | 8.7 | .2 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS

507

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURE (L S Y)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 5.1 | 3.7 | 1.3 | .1 | .1 | | | | | | | 10.4 | 4.2 |
| NNE | 2.7 | 2.3 | 1.2 | .2 | | | | | | | | 6.5 | 4.6 |
| NE | 1.5 | 1.0 | .4 | | | | | | | | | 2.9 | 3.6 |
| ENE | 1.2 | .7 | .2 | | .1 | | | | | | | 2.2 | 4.8 |
| E | 1.0 | .4 | .2 | | | | | | | | | 1.7 | 3.7 |
| ESE | .2 | .2 | .3 | | | | | | | | | .8 | 5.9 |
| SE | .3 | .4 | | | | | | | | | | .8 | 3.4 |
| SSE | 1.1 | .8 | .4 | | | | | | | | | 2.3 | 4.0 |
| S | 3.4 | 1.6 | 1.3 | .1 | | | | | | | | 6.4 | 4.3 |
| SSW | 2.6 | 3.0 | 1.1 | .1 | | | | | | | | 6.8 | 4.5 |
| SW | 1.6 | 2.0 | .3 | | | | | | | | | 3.9 | 4.2 |
| WSW | 1.5 | 1.0 | .3 | | | | | | | | | 2.8 | 4.0 |
| W | 1.7 | 3.6 | 1.9 | .3 | | | | | | | | 7.5 | 5.7 |
| WNW | .7 | 1.5 | 1.3 | .1 | | | | | | | | 3.7 | 6.3 |
| NW | .7 | 2.2 | .8 | .1 | | | | | | | | 3.8 | 5.5 |
| NNW | .4 | 2.6 | 1.0 | .1 | | | | | | | | 4.1 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.4 | |
| | 25.6 | 27.0 | 12.5 | 1.2 | .2 | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0900-1100

HOURLY (L.S.T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 4.9 | 3.0 | .6 | | | | | | | | 9.9 | 6.1 |
| NNE | 2.6 | 4.5 | 1.4 | .2 | | | | | | | | 8.7 | 4.7 |
| NE | 1.6 | 2.9 | 1.0 | .1 | | | | | | | | 5.6 | 4.8 |
| ENE | 1.3 | .9 | .6 | .1 | | | | | | | | 2.9 | 4.8 |
| E | 1.8 | 1.1 | .3 | .1 | .1 | | | | | | | 3.5 | 4.6 |
| ESE | .6 | 1.0 | .2 | .4 | | | | | | | | 2.1 | 5.9 |
| SE | .7 | 1.4 | .2 | .1 | | | | | | | | 2.5 | 4.7 |
| SSE | 1.0 | 1.1 | .4 | .2 | | | | | | | | 2.8 | 5.2 |
| S | 1.6 | 4.1 | 2.2 | .4 | | | | | | | | 8.4 | 5.8 |
| SSW | 1.4 | 2.1 | 3.6 | .6 | | | | | | | | 7.7 | 6.7 |
| SW | .9 | 1.7 | 1.8 | .2 | | | | | | | | 4.6 | 6.4 |
| WSW | .7 | 1.3 | 1.0 | .3 | | | | | | | | 3.3 | 6.5 |
| W | 1.3 | 3.6 | 3.7 | 1.2 | | | | | | | | 9.8 | 6.9 |
| WNW | 1.2 | 2.0 | 2.8 | 1.1 | | | | | | | | 7.1 | 7.1 |
| NW | .7 | 2.5 | 2.2 | .3 | | | | | | | | 5.7 | 6.6 |
| NNW | .6 | 2.0 | 2.1 | .3 | | | | | | | | 5.0 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.5 | |
| | 19.3 | 37.1 | 26.6 | 6.4 | .1 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

740906
STATION

FT DEVENS AAF MA

75-84

MAY

ALL WEATHER

1200-1400

CLASS

MOON (LST)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.1 | 2.9 | 2.8 | .3 | | | | | | | | 8.2 | 5.7 |
| NNE | 1.9 | 2.1 | 1.8 | .3 | | | | | | | | 6.2 | 5.5 |
| NE | 1.3 | 1.9 | .7 | | | | | | | | | 3.9 | 4.5 |
| ENE | 2.0 | 2.0 | 1.6 | | | | | | | | | 5.6 | 5.0 |
| E | 1.1 | 1.9 | 1.2 | .2 | | | | | | | | 4.5 | 5.6 |
| ESE | 1.1 | 1.6 | 1.6 | .1 | | | | | | | | 4.4 | 5.8 |
| SE | .7 | 1.0 | .2 | .2 | | | | | | | | 2.1 | 5.3 |
| SSE | .7 | 2.3 | 1.0 | .9 | | | | | | | | 4.9 | 6.8 |
| S | .9 | 2.6 | 3.4 | .7 | | | | | | | | 7.5 | 6.8 |
| SSW | .7 | 3.1 | 3.9 | 1.6 | | | | | | | | 9.3 | 7.8 |
| SW | .7 | 1.8 | 1.3 | 1.0 | | | | | | | | 4.8 | 7.2 |
| WSW | .4 | 1.6 | 1.8 | .6 | | | | | | | | 4.4 | 7.4 |
| W | .8 | 3.4 | 4.0 | 1.0 | .1 | | | | | | | 9.3 | 7.4 |
| WNW | .2 | 2.0 | 3.2 | 1.3 | .1 | | | | | | | 6.9 | 8.6 |
| NW | .9 | 1.3 | 2.7 | .9 | .1 | | | | | | | 5.9 | 7.5 |
| NNW | 1.0 | 2.0 | 2.2 | .4 | | | | | | | | 5.7 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.5 | |
| | 16.6 | 33.6 | 33.4 | 9.6 | .3 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-80

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURLY (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.5 | 2.4 | 2.7 | .3 | | | | | | | | 8.0 | 3.5 |
| NNE | 2.1 | 2.1 | .8 | .8 | | | | | | | | 5.8 | 4.5 |
| NE | 1.1 | 1.5 | .1 | .1 | | | | | | | | 2.9 | 4.2 |
| ENE | 1.0 | 2.3 | .6 | | | | | | | | | 3.9 | 4.7 |
| E | 1.6 | 1.9 | 2.2 | .1 | | | | | | | | 5.8 | 5.5 |
| ESE | 1.0 | 1.5 | 2.5 | .7 | | | | | | | | 5.7 | 7.0 |
| SE | .5 | 1.6 | 1.8 | .6 | | | | | | | | 4.1 | 7.0 |
| SSE | .8 | 1.3 | 1.3 | .8 | | | | | | | | 4.1 | 7.0 |
| S | 1.1 | 2.5 | 3.5 | .3 | | | | | | | | 7.6 | 6.8 |
| SSW | 1.0 | 2.2 | 4.6 | 1.8 | | | | | | | | 9.6 | 7.8 |
| SW | .2 | 1.6 | 2.5 | .9 | | | | | | | | 5.3 | 7.7 |
| WSW | .6 | 2.2 | .7 | .3 | | | | | | | | 3.8 | 6.1 |
| W | .7 | 3.1 | 3.3 | 1.4 | | | | | | | | 8.5 | 7.6 |
| WNW | 1.1 | 2.6 | 2.2 | .7 | | | | | | | | 6.6 | 6.5 |
| NW | .8 | 2.2 | 2.5 | 1.0 | | | | | | | | 6.5 | 7.1 |
| NNW | .7 | 2.7 | 2.9 | .1 | | | | | | | | 6.4 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.2 | |
| | 16.9 | 33.6 | 33.9 | 9.4 | | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS

874

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

MAY

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

1800-2000

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.9 | 3.7 | 1.5 | .2 | | | | | | | | 9.3 | 4.6 |
| NNE | 1.7 | .7 | .2 | | | | | | | | | 2.7 | 3.7 |
| NE | 2.2 | .7 | | | | | | | | | | 2.9 | 3.0 |
| ENE | 1.7 | 1.5 | | | | | | | | | | 3.2 | 3.2 |
| E | 2.9 | 3.7 | .7 | | | | | | | | | 7.3 | 3.9 |
| ESE | .5 | 1.7 | 1.7 | .2 | | | | | | | | 4.1 | 6.2 |
| SE | .2 | 2.2 | 2.2 | .5 | | | | | | | | 5.1 | 7.4 |
| SSE | 1.0 | 1.2 | 1.7 | | | | | | | | | 3.9 | 5.8 |
| S | 1.5 | 3.7 | 2.7 | .7 | | | | | | | | 8.5 | 6.6 |
| SSW | .7 | 2.7 | 3.2 | .7 | | | | | | | | 7.3 | 7.0 |
| SW | .5 | 1.5 | 1.2 | 1.0 | | | | | | | | 4.1 | 7.4 |
| WSW | 1.0 | 1.5 | 1.5 | | | | | | | | | 3.9 | 5.8 |
| W | 1.2 | 3.4 | 1.5 | | | | | | | | | 6.1 | 5.2 |
| WNW | 1.7 | 2.4 | 1.0 | .7 | | | | | | | | 5.9 | 5.7 |
| NW | 1.0 | 2.4 | 1.2 | .2 | | | | | | | | 4.9 | 5.6 |
| NNW | 2.2 | 1.2 | 1.7 | .2 | | | | | | | | 5.4 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.4 | |
| | 23.9 | 34.1 | 22.0 | 4.6 | | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.3 | 2.7 | 1.1 | | | | | | | | | 7.1 | 4.8 |
| NNE | 1.8 | 1.6 | .3 | | | | | | | | | 3.7 | 3.5 |
| NE | .8 | .7 | .2 | | | | | | | | | 1.7 | 4.3 |
| ENE | .6 | | | | | | | | | | | .6 | 2.8 |
| E | .9 | | | | | | | | | | | .9 | 2.8 |
| ESE | .8 | .2 | | | | | | | | | | 1.0 | 2.7 |
| SE | .3 | .7 | | | | | | | | | | 1.0 | 3.6 |
| SSE | 1.1 | .9 | .1 | | | | | | | | | 2.1 | 3.2 |
| S | 3.0 | 3.3 | | .1 | | | | | | | | 6.5 | 3.9 |
| SSW | 4.1 | 4.1 | .9 | .1 | | | | | | | | 9.3 | 4.1 |
| SW | 4.0 | 2.3 | 1.1 | .1 | | | | | | | | 7.6 | 4.1 |
| WSW | 2.5 | 1.9 | .1 | | | | | | | | | 4.5 | 3.4 |
| W | 2.9 | 2.3 | 1.4 | | | | | | | | | 6.7 | 4.4 |
| WNW | 1.1 | 1.8 | 1.4 | | | | | | | | | 4.3 | 5.8 |
| NW | 1.1 | 1.9 | .8 | | | | | | | | | 3.8 | 4.6 |
| NNW | 1.7 | 1.4 | .9 | .1 | | | | | | | | 4.1 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 35.2 | |
| | 30.0 | 25.9 | 8.5 | .4 | | | | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906
 STATION

FT DEVENS AAF MA
 STATION NAME

75-84
 YEARS

JUN
 MONTH

ALL WEATHER
 CLASS

0900-1100
 HOURS (L.S.T.)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.0 | 3.8 | 1.6 | | | | | | | | | 8.3 | 4.7 |
| NNE | 2.6 | 2.9 | 1.0 | | | | | | | | | 6.4 | 4.3 |
| NE | 1.9 | .7 | .6 | .1 | | | | | | | | 3.2 | 4.2 |
| ENE | 1.0 | .6 | .2 | | | | | | | | | 1.8 | 3.3 |
| E | 1.7 | 1.4 | .2 | | | | | | | | | 3.3 | 3.7 |
| ESE | 1.4 | .7 | | | | | | | | | | 2.1 | 3.1 |
| SE | .7 | .7 | .3 | | | | | | | | | 1.7 | 4.5 |
| SSE | 1.3 | .6 | .1 | | | | | | | | | 2.0 | 3.2 |
| S | 2.6 | 3.9 | 2.2 | .2 | | | | | | | | 8.9 | 5.0 |
| SSW | 1.6 | 3.1 | 3.4 | .6 | | | | | | | | 8.7 | 6.4 |
| SW | 1.8 | 4.0 | 1.7 | .6 | | | | | | | | 8.0 | 5.7 |
| WSW | .8 | 2.6 | 1.4 | .2 | | | | | | | | 5.0 | 5.7 |
| W | 1.6 | 4.4 | 4.1 | .8 | | | | | | | | 10.9 | 6.3 |
| WNW | 2.2 | 2.6 | 1.7 | .4 | | | | | | | | 6.9 | 5.8 |
| NW | 1.1 | 1.3 | 3.0 | .1 | | | | | | | | 5.6 | 6.0 |
| NNW | 2.1 | 2.8 | 1.8 | .3 | | | | | | | | 7.0 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.2 | |
| | 27.2 | 35.9 | 23.3 | 3.3 | | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.8 | 2.6 | 2.2 | .3 | | | | | | | | 7.9 | 5.2 |
| NNE | 1.4 | 2.2 | .7 | | | | | | | | | 4.3 | 4.4 |
| NE | 1.4 | 1.2 | .2 | .1 | | | | | | | | 3.8 | 4.8 |
| ENE | 1.2 | 1.2 | .4 | .2 | | | | | | | | 3.1 | 4.5 |
| E | 1.4 | 2.7 | 1.0 | | | | | | | | | 5.1 | 4.8 |
| ESE | 1.3 | .7 | .6 | | | | | | | | | 2.6 | 4.3 |
| SE | 1.0 | 1.1 | .6 | | | | | | | | | 2.7 | 4.7 |
| SSE | .7 | 1.1 | .8 | | | | | | | | | 2.6 | 5.8 |
| S | 1.3 | 2.7 | 2.3 | .6 | | | | | | | | 6.9 | 6.3 |
| SSW | 1.2 | 3.3 | 4.2 | 1.1 | | | | | | | | 9.9 | 7.1 |
| SW | 1.2 | 2.8 | 2.9 | .7 | | | | | | | | 7.6 | 6.8 |
| WSW | .7 | 2.0 | 3.0 | .2 | | | | | | | | 5.9 | 6.6 |
| W | 2.0 | 3.7 | 4.0 | .7 | | | | | | | | 18.3 | 6.4 |
| WNW | 1.8 | 3.6 | 2.4 | 1.0 | | | | | | | | 4.8 | 6.2 |
| NW | 2.0 | 2.9 | 1.8 | .6 | | | | | | | | 7.2 | 5.7 |
| NNW | 1.8 | 2.0 | 1.2 | .4 | | | | | | | | 5.4 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.8 | |
| | 23.3 | 35.7 | 28.3 | 5.9 | | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JUN

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.1 | 2.7 | 1.9 | .1 | | | | | | | | 6.9 | 5.2 |
| NNE | 1.1 | 1.2 | .1 | | | | | | | | | 2.5 | 3.7 |
| NE | 1.0 | .4 | .2 | | | | | | | | | 1.7 | 3.7 |
| ENE | .4 | .9 | .2 | .1 | | | | | | | | 1.7 | 4.9 |
| E | 1.2 | 2.5 | .8 | .1 | | | | | | | | 4.6 | 4.6 |
| ESE | .8 | 1.7 | 1.9 | .1 | | | | | | | | 4.5 | 6.1 |
| SE | .3 | 1.7 | 1.0 | .1 | | | | | | | | 3.1 | 5.9 |
| SSE | .3 | 1.8 | 1.6 | .2 | | | | | | | | 3.9 | 6.8 |
| S | 1.2 | 2.5 | 3.6 | .6 | | | | | | | | 7.9 | 6.8 |
| SSW | 1.1 | 3.6 | 3.4 | 1.2 | | | | | | | | 9.3 | 7.8 |
| SW | .7 | 2.6 | 2.1 | .2 | | | | | | | | 5.6 | 6.3 |
| WSW | 1.1 | 3.6 | 2.5 | .3 | | | | | | | | 7.5 | 6.1 |
| W | 2.2 | 3.5 | 3.4 | .6 | | | | | | | | 9.6 | 5.9 |
| WNW | 2.4 | 2.9 | 3.3 | .6 | | | | | | | | 9.1 | 5.9 |
| NW | 2.5 | 2.8 | 2.8 | .3 | | | | | | | | 8.9 | 5.7 |
| NNW | 2.0 | 1.3 | 1.0 | .1 | | | | | | | | 4.5 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 20.7 | 35.7 | 29.8 | 4.6 | | | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS

890

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.8 | 1.4 | .9 | .2 | | | | | | | | 5.3 | 4.0 |
| NNE | .9 | .9 | .5 | | | | | | | | | 2.3 | 4.0 |
| NE | 1.4 | .5 | | | | | | | | | | 1.8 | 3.0 |
| ENE | .5 | | | | | | | | | | | .5 | 2.0 |
| E | 1.6 | 1.4 | | | | | | | | | | 3.0 | 3.2 |
| ESE | | 1.8 | 1.4 | | | | | | | | | 3.2 | 6.1 |
| SE | .9 | 2.3 | 1.6 | .2 | | | | | | | | 5.1 | 5.7 |
| SSE | .5 | 1.8 | 1.4 | | | | | | | | | 3.7 | 5.6 |
| S | 3.7 | 3.2 | 2.5 | .5 | | | | | | | | 9.9 | 5.3 |
| SSW | 2.8 | 3.7 | 4.8 | .7 | | | | | | | | 12.0 | 6.0 |
| SW | 2.8 | 2.5 | 1.2 | | | | | | | | | 6.5 | 4.3 |
| WSW | 1.6 | 2.1 | .5 | | | | | | | | | 4.2 | 4.1 |
| W | 4.2 | 2.8 | 1.4 | | | | | | | | | 8.3 | 4.2 |
| WNW | 1.8 | 2.1 | 2.1 | .7 | | | | | | | | 6.7 | 5.8 |
| NW | 2.1 | 1.6 | .9 | .2 | | | | | | | | 4.8 | 4.7 |
| NNW | 1.2 | .7 | .9 | .2 | | | | | | | | 3.0 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.6 | |
| | 28.6 | 28.9 | 20.1 | 2.8 | | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906 STATION FT DEVENS AAF MA 75-84 YEARS JUL MONTH
ALL WEATHER CLASS 0600-0800 HOURS (LST)
CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.6 | 2.5 | .4 | | | | | | | | | 6.5 | 3.5 |
| NNE | 1.3 | .9 | | | | | | | | | | 2.2 | 3.3 |
| NE | .4 | .1 | | | | | | | | | | .6 | 2.4 |
| ENE | .3 | .2 | | | | | | | | | | .6 | 3.2 |
| E | .6 | | | | | | | | | | | .6 | 2.2 |
| ESE | | | | | | | | | | | | | |
| SE | .3 | | | | | | | | | | | .3 | 2.7 |
| SSE | .8 | .2 | | | | | | | | | | 1.0 | 2.8 |
| S | 3.4 | 2.0 | .1 | | | | | | | | | 5.5 | 3.3 |
| SSW | 5.6 | 4.6 | .6 | .1 | | | | | | | | 10.9 | 3.7 |
| SW | 3.9 | 2.7 | .6 | | | | | | | | | 7.2 | 3.7 |
| WSW | 2.2 | 1.2 | .3 | | | | | | | | | 3.8 | 3.8 |
| W | 2.2 | 3.0 | .9 | | | | | | | | | 6.2 | 4.3 |
| WNW | 1.0 | 1.0 | .7 | | | | | | | | | 2.7 | 4.5 |
| NW | 1.3 | 1.9 | .9 | | | | | | | | | 4.1 | 4.8 |
| NNW | 1.8 | 1.1 | .4 | .1 | | | | | | | | 3.5 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 44.4 | |
| | 28.9 | 21.5 | 4.9 | .2 | | | | | | | | 100.0 | 2.1 |

TOTAL NUMBER OF OBSERVATIONS 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906 FT DEVENS AAF MA

75-84

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.3 | 4.6 | 1.3 | .2 | | | | | | | | 9.5 | 4.6 |
| NNE | 2.1 | .4 | .4 | | | | | | | | | 4.0 | 3.8 |
| NE | 1.9 | .0 | | | | | | | | | | 2.9 | 3.3 |
| ENE | 1.0 | .3 | | | | | | | | | | 1.3 | 2.9 |
| E | .9 | 1.0 | .2 | .1 | | | | | | | | 2.2 | 4.4 |
| ESE | .6 | .6 | .1 | | | | | | | | | 1.2 | 3.6 |
| SE | .4 | .2 | .6 | | | | | | | | | 1.2 | 5.4 |
| SSE | .7 | 1.0 | .2 | | | | | | | | | 1.9 | 4.6 |
| S | 2.1 | 4.2 | 1.2 | .1 | | | | | | | | 7.7 | 4.9 |
| SSW | 1.7 | 3.6 | 2.5 | | | | | | | | | 7.7 | 5.5 |
| SW | 2.5 | 3.3 | 2.3 | | | | | | | | | 8.1 | 5.1 |
| WSW | 1.4 | 3.5 | 2.3 | .1 | | | | | | | | 7.4 | 5.4 |
| W | 1.9 | 5.1 | 3.8 | .1 | | | | | | | | 10.9 | 5.7 |
| WNW | 1.0 | 3.0 | 2.3 | .4 | | | | | | | | 6.8 | 6.1 |
| NW | 2.0 | 2.7 | 2.1 | .1 | | | | | | | | 6.9 | 5.3 |
| NNW | 1.7 | 3.2 | 1.8 | .3 | | | | | | | | 7.0 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.2 | |
| | 25.2 | 38.8 | 21.3 | 1.6 | | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (LST)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.3 | 3.5 | 1.5 | .6 | | | | | | | | 7.8 | 5.2 |
| NNE | 1.1 | 1.2 | .2 | | | | | | | | | 2.6 | 4.0 |
| NE | .7 | .3 | .4 | | | | | | | | | 1.5 | 5.0 |
| ENE | .2 | .7 | .1 | | | | | | | | | 1.0 | 4.1 |
| E | .7 | .4 | | | | | | | | | | 1.1 | 3.3 |
| ESE | .3 | 1.1 | .9 | | | | | | | | | 2.3 | 5.3 |
| SE | .2 | .8 | .8 | | | | | | | | | 1.8 | 6.1 |
| SSE | .3 | 1.0 | .7 | | | | | | | | | 2.0 | 5.3 |
| S | 2.1 | 3.4 | 2.0 | .2 | | | | | | | | 7.7 | 5.3 |
| SSW | 1.1 | 4.0 | 4.2 | .3 | | | | | | | | 9.7 | 6.4 |
| SW | 1.0 | 3.8 | 4.2 | .1 | | | | | | | | 9.2 | 6.5 |
| WSW | 1.1 | 3.6 | 2.8 | .2 | | | | | | | | 7.7 | 6.2 |
| W | 1.8 | 4.7 | 4.5 | .8 | | | | | | | | 11.7 | 6.8 |
| WNW | 1.8 | 4.1 | 2.9 | .4 | | | | | | | | 9.3 | 5.9 |
| NW | 1.8 | 3.5 | 3.5 | .2 | | | | | | | | 8.9 | 5.9 |
| NNW | 2.7 | 2.5 | 1.3 | .3 | | | | | | | | 6.8 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.8 | |
| | 19.3 | 38.5 | 30.1 | 3.2 | | | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS

895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | 2.3 | 1.0 | .8 | | | | | | | | 5.7 | 5.6 |
| NNE | 1.2 | .8 | .2 | | | | | | | | | 2.3 | 3.6 |
| NE | .2 | .3 | .1 | | | | | | | | | .7 | 4.8 |
| ENE | .5 | .1 | | | | | | | | | | .6 | 2.8 |
| E | 1.0 | 1.0 | 1.1 | | | | | | | | | 3.2 | 5.2 |
| ESE | .6 | 1.0 | 1.6 | .1 | | | | | | | | 3.3 | 6.3 |
| SE | .7 | .3 | .5 | .2 | | | | | | | | 1.7 | 5.5 |
| SSE | .6 | 1.0 | .3 | .1 | | | | | | | | 2.0 | 5.3 |
| S | 1.6 | 2.7 | 2.2 | .2 | | | | | | | | 6.7 | 5.5 |
| SSW | 1.5 | 4.8 | 3.7 | .1 | | | | | | | | 10.1 | 6.8 |
| SW | 2.4 | 3.6 | 3.9 | .5 | | | | | | | | 10.3 | 5.8 |
| WSW | 2.2 | 4.3 | 3.4 | .3 | | | | | | | | 10.2 | 5.9 |
| W | 3.0 | 6.4 | 3.5 | .1 | | | | | | | | 13.0 | 5.3 |
| WNW | 1.0 | 1.9 | 1.8 | .6 | | | | | | | | 5.3 | 6.2 |
| NW | 3.1 | 3.1 | 2.4 | .2 | | | | | | | | 8.7 | 5.2 |
| NNW | 2.0 | 3.2 | 1.8 | | | | | | | | | 7.0 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.1 | |
| | 23.1 | 36.9 | 27.6 | 3.3 | | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

680

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 1.2 | .9 | | | | | | | | | 3.5 | 4.5 |
| NNE | .5 | .7 | | | | | | | | | | 1.2 | 3.0 |
| NE | .2 | .5 | | | | | | | | | | .7 | 3.7 |
| ENE | .5 | | | | | | | | | | | .5 | 2.5 |
| E | .9 | .2 | .2 | | | | | | | | | 1.4 | 3.3 |
| ESE | | 1.4 | .7 | | | | | | | | | 2.1 | 6.1 |
| SE | .5 | .7 | 1.4 | | | | | | | | | 2.6 | 6.1 |
| SSE | .7 | 1.4 | .2 | | | | | | | | | 2.4 | 4.2 |
| S | 1.7 | 5.0 | 2.4 | .2 | | | | | | | | 9.2 | 5.0 |
| SSW | 3.3 | 5.0 | 1.4 | | | | | | | | | 9.7 | 4.7 |
| SW | 2.8 | 5.7 | 2.6 | | | | | | | | | 11.1 | 4.9 |
| WSW | 2.8 | 4.0 | .7 | | | | | | | | | 7.6 | 4.4 |
| W | 5.4 | 2.4 | 1.4 | | | | | | | | | 9.2 | 3.8 |
| WNW | 1.9 | .9 | 1.4 | | | | | | | | | 4.3 | 4.9 |
| NW | 5.0 | 2.8 | .2 | | | | | | | | | 8.0 | 3.5 |
| NNW | 1.2 | .9 | .7 | .2 | | | | | | | | 3.1 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.4 | |
| | 28.8 | 32.9 | 14.4 | .5 | | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS

423

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906
 STATION

FT DEVENS AAF MA
 STATION NAME

75-84
 YEARS

AUG
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (L.S.T.)

CONDITION

| SPEED KNTS DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.6 | 2.7 | .5 | | | | | | | | | 5.9 | 3.7 |
| NNE | 1.8 | 1.3 | .7 | | | | | | | | | 3.8 | 4.2 |
| NE | .8 | .3 | | | | | | | | | | 1.1 | 2.9 |
| ENE | | .2 | | | | | | | | | | .2 | 5.0 |
| E | .5 | .1 | | | | | | | | | | .7 | 2.8 |
| ESE | .1 | .1 | | | | | | | | | | .2 | 2.5 |
| SE | .3 | .2 | | | | | | | | | | .5 | 3.2 |
| SSE | .5 | .8 | | .2 | | | | | | | | 1.5 | 5.3 |
| S | 2.6 | 2.4 | | .1 | | | | | | | | 5.1 | 3.6 |
| SSW | 2.9 | 3.3 | 1.1 | | | | | | | | | 7.3 | 4.0 |
| SW | 1.7 | 2.3 | 1.0 | | | | | | | | | 5.0 | 4.5 |
| WSW | 1.1 | 1.1 | .4 | | | | | | | | | 2.6 | 4.3 |
| W | 1.5 | 2.1 | .5 | | | | | | | | | 4.1 | 4.2 |
| WNW | 1.4 | .7 | .3 | | | | | | | | | 2.4 | 4.0 |
| NW | 1.1 | .8 | .5 | | | | | | | | | 2.4 | 4.3 |
| NNW | 1.0 | .9 | .4 | .1 | | | | | | | | 2.4 | 4.8 |
| VARBL | | | | | | | | | | | | 54.8 | |
| CALM | | | | | | | | | | | | | |
| | 20.1 | 19.1 | 5.5 | .4 | | | | | | | | 100.0 | 1.8 |

TOTAL NUMBER OF OBSERVATIONS

921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURLS (L S T.)

CONDITION

| SPEED KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.5 | 5.9 | .9 | | | | | | | | | 11.3 | 4.3 |
| NNE | 2.6 | 3.1 | 1.3 | .1 | | | | | | | | 7.1 | 4.8 |
| NE | 1.1 | 1.0 | .1 | | | | | | | | | 2.2 | 3.6 |
| ENE | 1.1 | .5 | | | | | | | | | | 1.6 | 2.9 |
| E | 1.4 | .8 | .4 | | | | | | | | | 2.6 | 4.0 |
| ESE | .5 | .4 | | | | | | | | | | 1.0 | 3.2 |
| SE | .6 | .5 | .1 | | | | | | | | | 1.3 | 3.9 |
| SSE | 1.3 | 1.0 | .1 | | | | | | | | | 2.4 | 3.6 |
| S | 1.7 | 2.4 | 1.0 | | | | | | | | | 5.1 | 4.5 |
| SSW | 1.7 | 3.3 | 2.4 | | | | | | | | | 7.4 | 5.8 |
| SW | 1.3 | 3.9 | 1.6 | | | | | | | | | 6.8 | 5.3 |
| WSW | 1.2 | 2.8 | 1.0 | | | | | | | | | 4.9 | 4.9 |
| W | 2.8 | 2.6 | 3.9 | .3 | | | | | | | | 9.5 | 5.7 |
| WNW | 1.2 | 1.5 | 1.8 | .3 | | | | | | | | 4.8 | 6.2 |
| NW | 1.4 | 3.0 | 1.9 | .1 | | | | | | | | 6.5 | 5.3 |
| NNW | 1.8 | 3.1 | 1.6 | | | | | | | | | 6.6 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.1 | |
| | 26.2 | 35.8 | 18.1 | .8 | | | | | | | | 100.8 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.7 | 4.4 | 1.9 | .1 | | | | | | | | 8.2 | 5.3 |
| NNE | 2.7 | 1.7 | 1.5 | | | | | | | | | 5.9 | 4.3 |
| NE | 2.0 | 1.8 | .5 | | | | | | | | | 4.4 | 3.9 |
| ENE | 1.1 | 1.6 | .4 | | | | | | | | | 2.9 | 4.5 |
| E | 1.7 | 1.2 | .2 | | | | | | | | | 3.1 | 3.7 |
| ESE | 1.0 | .9 | .2 | | | | | | | | | 2.0 | 4.2 |
| SE | .5 | .3 | .1 | | | | | | | | | 1.0 | 3.6 |
| SSE | .3 | 1.1 | .5 | .1 | | | | | | | | 2.0 | 5.8 |
| S | 1.8 | 2.5 | 1.7 | .4 | | | | | | | | 6.5 | 5.5 |
| SSW | 1.2 | 3.1 | 2.8 | .1 | | | | | | | | 7.2 | 6.8 |
| SW | 1.4 | 3.2 | 3.0 | .2 | | | | | | | | 7.9 | 6.8 |
| WSW | 1.3 | 2.8 | 3.0 | .5 | | | | | | | | 7.6 | 6.8 |
| W | 2.2 | 5.1 | 4.0 | .6 | .1 | | | | | | | 11.9 | 6.3 |
| WNW | 1.4 | 3.6 | 2.2 | .3 | | | | | | | | 7.4 | 6.8 |
| NW | 1.5 | 2.8 | 1.9 | .3 | | | | | | | | 6.6 | 5.8 |
| NNW | 1.1 | 3.3 | .8 | .1 | | | | | | | | 5.3 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 22.9 | 39.2 | 24.9 | 2.9 | .1 | | | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L & T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.7 | 2.4 | 1.1 | | | | | | | | | 6.2 | 4.4 |
| NNE | 1.6 | 2.0 | .4 | | | | | | | | | 4.1 | 4.2 |
| NE | 1.3 | .8 | .3 | | | | | | | | | 2.4 | 3.7 |
| ENE | .9 | 1.1 | .4 | | | | | | | | | 2.4 | 4.4 |
| E | 1.5 | 2.3 | 1.0 | | | | | | | | | 4.8 | 4.8 |
| ESE | .5 | .9 | .5 | | | | | | | | | 2.0 | 5.2 |
| SE | .3 | 1.4 | .1 | | | | | | | | | 1.9 | 4.6 |
| SSE | .3 | 1.5 | .3 | | | | | | | | | 2.2 | 5.8 |
| S | 1.5 | 2.2 | 2.1 | .3 | | | | | | | | 6.1 | 5.9 |
| SSW | 2.0 | 4.2 | 3.0 | .1 | | | | | | | | 9.2 | 5.5 |
| SW | 2.2 | 3.5 | 2.4 | .2 | | | | | | | | 8.3 | 5.3 |
| WSW | 1.5 | 4.6 | 1.5 | .1 | | | | | | | | 7.8 | 5.1 |
| W | 2.1 | 4.4 | 2.8 | .5 | | | | | | | | 9.9 | 5.8 |
| WNW | 1.9 | 2.3 | 2.5 | .2 | | | | | | | | 6.9 | 5.6 |
| NW | 1.8 | 3.3 | 2.0 | .2 | | | | | | | | 7.2 | 5.4 |
| NNW | 1.9 | 2.4 | 1.0 | .3 | | | | | | | | 5.6 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.0 | |
| | 24.1 | 39.2 | 21.6 | 2.1 | | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

913

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1600-2000

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | 2.0 | .7 | .2 | | | | | | | | 4.2 | 5.0 |
| NNE | 1.3 | 1.6 | .9 | | | | | | | | | 3.8 | 4.6 |
| NE | .2 | 1.1 | | | | | | | | | | 1.3 | 4.3 |
| ENE | .2 | .7 | .2 | | | | | | | | | 1.1 | 4.2 |
| E | 2.0 | 1.1 | .4 | | | | | | | | | 3.5 | 3.5 |
| ESE | .7 | 2.7 | .2 | | | | | | | | | 3.5 | 4.0 |
| SE | .4 | 1.6 | 1.6 | | | | | | | | | 3.5 | 5.8 |
| SSE | .4 | 1.6 | .7 | .2 | | | | | | | | 2.9 | 5.8 |
| S | 2.2 | 2.7 | 1.8 | | | | | | | | | 6.7 | 4.3 |
| SSW | 2.4 | 4.0 | 2.2 | | | | | | | | | 8.6 | 6.1 |
| SW | 3.3 | 4.7 | .7 | | | | | | | | | 8.6 | 3.8 |
| WSW | 2.0 | 1.3 | .2 | | | | | | | | | 3.5 | 3.6 |
| W | 4.4 | 1.8 | .4 | | | | | | | | | 6.7 | 3.3 |
| WNW | 2.0 | 1.8 | .9 | .2 | | | | | | | | 4.9 | 4.9 |
| NW | 1.6 | 1.3 | .4 | | | | | | | | | 3.3 | 4.3 |
| NNW | 1.6 | .9 | .4 | | | | | | | | | 2.9 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.8 | |
| | 26.2 | 30.6 | 11.8 | .7 | | | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

451

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURE (LST)

CONDITION

| SPEED KNTS: DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.6 | 2.0 | .6 | .1 | | | | | | | | 6.3 | 3.5 |
| NNE | 1.6 | 1.6 | .2 | | | | | | | | | 3.5 | 3.6 |
| NE | .9 | .7 | | | | | | | | | | 1.6 | 2.9 |
| ENE | .5 | .1 | | | | | | | | | | .6 | 2.6 |
| E | .5 | .2 | | | | | | | | | | .7 | 3.0 |
| ESE | .2 | | | | | | | | | | | .2 | 2.3 |
| SE | .2 | | .2 | | | | | | | | | .3 | 5.8 |
| SSE | .9 | .2 | .1 | | | | | | | | | 1.3 | 3.8 |
| S | 1.4 | 1.9 | .5 | | | | | | | | | 3.7 | 4.2 |
| SSW | 4.1 | 2.1 | .5 | | | | | | | | | 6.8 | 3.4 |
| SW | 2.3 | 2.0 | .6 | | | | | | | | | 4.9 | 3.8 |
| WSW | 1.2 | .9 | .6 | | | | | | | | | 2.7 | 4.2 |
| W | 1.4 | 2.5 | .2 | | | | | | | | | 4.2 | 4.1 |
| WNW | .9 | 1.0 | .6 | .1 | | | | | | | | 2.7 | 4.7 |
| NW | 1.3 | 1.2 | .8 | | | | | | | | | 3.2 | 4.8 |
| NNW | 2.1 | 1.3 | .1 | | | | | | | | | 3.5 | 3.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 54.0 | |
| | 23.1 | 17.7 | 5.0 | .2 | | | | | | | | 100.0 | 1.7 |

TOTAL NUMBER OF OBSERVATIONS

863

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906
 STATION

FT DEVENS AAF MA

STATION NAME

75-84

YEARS

SEP

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.0 | 4.4 | 1.4 | .5 | | | | | | | | 10.2 | 4.6 |
| NNE | 2.6 | 2.3 | .5 | | | | | | | | | 5.6 | 3.8 |
| NE | 2.8 | 1.4 | .5 | | | | | | | | | 4.6 | 3.3 |
| ENE | 1.4 | .7 | | | | | | | | | | 2.1 | 2.7 |
| E | 1.5 | .8 | | | | | | | | | | 2.1 | 2.6 |
| ESE | .6 | .3 | .1 | | | | | | | | | 1.1 | 3.8 |
| SE | .6 | .5 | .2 | .1 | | | | | | | | 1.4 | 4.8 |
| SSE | .9 | .3 | .1 | .1 | | | | | | | | 1.3 | 3.9 |
| S | 1.4 | 3.3 | 1.5 | .2 | .1 | | | | | | | 6.4 | 5.9 |
| SSW | 2.3 | 2.5 | 2.6 | .3 | | | | | | | | 7.4 | 5.6 |
| SW | 1.1 | 3.4 | 1.7 | | | | | | | | | 6.3 | 5.4 |
| WSW | 1.0 | 1.8 | 1.4 | .1 | | | | | | | | 4.4 | 5.3 |
| W | 1.7 | 3.3 | 2.8 | .7 | | | | | | | | 8.3 | 6.1 |
| WNW | .9 | 3.2 | 3.0 | .3 | | | | | | | | 7.3 | 6.2 |
| NW | .7 | 3.8 | 2.3 | .1 | | | | | | | | 6.9 | 6.4 |
| NNW | 1.4 | 3.0 | 1.7 | .2 | | | | | | | | 6.3 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.4 | |
| | 24.9 | 35.3 | 19.5 | 2.8 | .1 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS

670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURLY (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.9 | 4.4 | 1.0 | .1 | | | | | | | | 8.4 | 4.5 |
| NNE | 1.5 | 2.3 | .1 | | | | | | | | | 3.9 | 3.9 |
| NE | 2.2 | 1.3 | .2 | | | | | | | | | 3.7 | 3.4 |
| ENE | .9 | .8 | | | | | | | | | | 1.7 | 3.3 |
| E | 2.1 | 1.0 | .1 | | | | | | | | | 3.2 | 3.4 |
| ESE | 1.2 | 1.0 | .2 | | | | | | | | | 2.4 | 3.9 |
| SE | 1.2 | .8 | .3 | | .1 | | | | | | | 2.4 | 4.9 |
| SSE | .7 | .9 | .5 | | | | | | | | | 2.1 | 4.7 |
| S | 1.4 | 3.1 | 1.8 | .7 | .1 | | | | | | | 7.1 | 6.4 |
| SSW | .9 | 3.5 | 3.1 | .3 | | | | | | | | 7.8 | 6.4 |
| SW | .5 | 3.5 | 3.2 | .7 | | | | | | | | 7.8 | 6.9 |
| WSW | .6 | 3.0 | 1.8 | .3 | | | | | | | | 5.8 | 6.3 |
| W | 1.5 | 4.7 | 4.0 | 1.2 | | | | | | | | 11.4 | 6.5 |
| WNW | 1.6 | 1.5 | 3.2 | .1 | | | | | | | | 6.5 | 6.3 |
| NW | 1.3 | 3.5 | 2.1 | .6 | | | | | | | | 7.4 | 6.0 |
| NNW | 2.1 | 3.5 | 1.5 | .5 | | | | | | | | 7.5 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.6 | |
| | 22.4 | 38.7 | 23.4 | 4.5 | .2 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.1 | 2.5 | 1.3 | .1 | | | | | | | | 7.0 | 4.5 |
| NNE | 1.8 | 1.0 | .4 | | | | | | | | | 3.1 | 3.4 |
| NE | 1.1 | .8 | | | | | | | | | | 1.9 | 3.2 |
| ENE | 1.1 | .4 | | | | | | | | | | 1.4 | 2.8 |
| E | 2.1 | 1.4 | .8 | | | | | | | | | 4.4 | 4.2 |
| ESE | .6 | 1.1 | .5 | | | | | | | | | 2.1 | 5.2 |
| SE | .2 | 1.1 | .6 | | | | | | | | | 1.9 | 5.9 |
| SSE | 1.3 | .8 | .5 | | .1 | | | | | | | 2.7 | 4.9 |
| S | 1.3 | 3.0 | 2.3 | .4 | | | | | | | | 6.9 | 6.2 |
| SSW | 2.1 | 3.7 | 4.3 | .6 | | | | | | | | 10.7 | 6.1 |
| SW | 1.9 | 3.2 | 2.0 | .5 | | | | | | | | 7.6 | 5.7 |
| WSW | 1.5 | 3.7 | 1.4 | .2 | | | | | | | | 6.9 | 5.3 |
| W | 2.1 | 3.7 | 1.8 | .1 | | | | | | | | 7.7 | 5.2 |
| WNW | 1.8 | 2.3 | 2.1 | .2 | | | | | | | | 6.4 | 5.6 |
| NW | 1.9 | 4.9 | 2.5 | .1 | | | | | | | | 9.4 | 5.4 |
| NNW | .7 | 1.9 | 1.2 | | | | | | | | | 3.8 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 24.8 | 35.4 | 21.7 | 2.3 | .1 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.8 | 1.5 | .5 | | | | | | | | | 3.8 | 4.1 |
| NNE | | .5 | | | | | | | | | | .5 | 4.5 |
| NE | .8 | .8 | | | | | | | | | | 1.5 | 3.3 |
| ENE | 1.3 | | | | | | | | | | | 1.3 | 1.8 |
| E | 2.5 | .3 | | | | | | | | | | 2.8 | 2.7 |
| ESE | .8 | 1.5 | .3 | | | | | | | | | 2.5 | 4.1 |
| SE | .8 | 1.3 | .5 | | | | | | | | | 2.5 | 4.9 |
| SSE | 1.0 | 1.5 | .3 | | | | | | | | | 2.8 | 4.1 |
| S | 1.8 | 4.5 | 1.5 | | | | | | | | | 7.8 | 5.1 |
| SSW | 3.0 | 3.8 | 2.3 | .5 | | | | | | | | 9.6 | 5.2 |
| SW | 2.8 | 1.8 | 1.0 | | | | | | | | | 5.6 | 4.0 |
| WSW | 1.5 | .3 | .8 | | | | | | | | | 2.5 | 3.4 |
| W | 1.5 | 2.0 | .8 | .3 | | | | | | | | 4.5 | 4.9 |
| WNW | 1.0 | 1.5 | .3 | .3 | | | | | | | | 3.0 | 5.2 |
| NW | 1.5 | 1.3 | .3 | | | | | | | | | 3.0 | 3.4 |
| NNW | 1.8 | 1.3 | .3 | | | | | | | | | 3.3 | 3.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 42.9 | |
| | 23.7 | 23.7 | 8.6 | 1.0 | | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS

396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L & T)

CONDITION

| SPEED KNTS D.R. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

YEARS

SEP
MONTH

ALL WEATHER

CLASS

1500-1700
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.1 | 2.5 | 1.3 | .1 | | | | | | | | 7.0 | 4.5 |
| NNE | 1.8 | 1.0 | .4 | | | | | | | | | 3.1 | 3.4 |
| N-E | 1.1 | .8 | | | | | | | | | | 1.9 | 3.2 |
| ENE | 1.1 | .4 | | | | | | | | | | 1.4 | 2.8 |
| E | 2.1 | 1.4 | .8 | | | | | | | | | 4.4 | 4.2 |
| ESE | .6 | 1.1 | .5 | | | | | | | | | 2.1 | 5.2 |
| SE | .2 | 1.1 | .6 | | | | | | | | | 1.9 | 5.9 |
| SSE | 1.3 | .8 | .5 | | .1 | | | | | | | 2.7 | 4.9 |
| S | 1.3 | 3.0 | 2.3 | .4 | | | | | | | | 6.9 | 6.2 |
| SSW | 2.1 | 3.7 | 4.3 | .6 | | | | | | | | 10.7 | 6.1 |
| SW | 1.9 | 3.2 | 2.0 | .5 | | | | | | | | 7.6 | 5.7 |
| WSW | 1.5 | 3.7 | 1.4 | .2 | | | | | | | | 6.9 | 5.3 |
| W | 2.1 | 3.7 | 1.8 | .1 | | | | | | | | 7.7 | 5.2 |
| WNW | 1.8 | 2.3 | 2.1 | .2 | | | | | | | | 6.4 | 5.6 |
| NW | 1.9 | 4.9 | 2.5 | .1 | | | | | | | | 9.4 | 5.4 |
| NNW | .7 | 1.9 | 1.2 | | | | | | | | | 3.8 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 24.8 | 35.4 | 21.7 | 2.3 | .1 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.8 | 1.5 | .5 | | | | | | | | | 3.8 | 4.1 |
| NNE | | .5 | | | | | | | | | | .5 | 4.5 |
| NE | .8 | .8 | | | | | | | | | | 1.5 | 3.3 |
| ENE | 1.3 | | | | | | | | | | | 1.3 | 1.8 |
| E | 2.5 | .3 | | | | | | | | | | 2.8 | 2.7 |
| ESE | .8 | 1.5 | .3 | | | | | | | | | 2.5 | 4.1 |
| SE | .8 | 1.3 | .5 | | | | | | | | | 2.5 | 4.9 |
| SSE | 1.0 | 1.5 | .3 | | | | | | | | | 2.8 | 4.1 |
| S | 1.8 | 4.5 | 1.5 | | | | | | | | | 7.8 | 5.1 |
| SSW | 3.0 | 3.8 | 2.3 | .5 | | | | | | | | 9.6 | 5.2 |
| SW | 2.8 | 1.8 | 1.0 | | | | | | | | | 5.6 | 4.0 |
| WSW | 1.5 | .3 | .8 | | | | | | | | | 2.5 | 3.4 |
| W | 1.5 | 2.0 | .8 | .3 | | | | | | | | 4.5 | 4.9 |
| WNW | 1.0 | 1.5 | .3 | .3 | | | | | | | | 3.0 | 4.2 |
| NW | 1.5 | 1.3 | .3 | | | | | | | | | 3.0 | 3.4 |
| NNW | 1.8 | 1.3 | .3 | | | | | | | | | 3.3 | 3.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 42.9 | |
| | 23.7 | 23.7 | 8.6 | 1.0 | | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS

396

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906
 STATION

FT DEVENS AAF MA
 STATION NAME

75-84
 YEAR

OCT
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.5 | 2.9 | 1.3 | | | | | | | | | 7.7 | 4.3 |
| NNE | 1.7 | 2.2 | .3 | | | | | | | | | 4.3 | 3.9 |
| NE | .3 | .3 | .1 | | | | | | | | | .8 | 4.3 |
| ENE | .5 | | .1 | | | | | | | | | .6 | 3.0 |
| E | .2 | .1 | | | | | | | | | | .3 | 3.0 |
| ESE | .1 | | | | | | | | | | | .1 | 1.8 |
| SE | .7 | .1 | | | | | | | | | | .8 | 2.6 |
| SSE | .3 | .1 | | | | | | | | | | .5 | 3.3 |
| S | 1.7 | 1.6 | .6 | | | | | | | | | 4.0 | 4.3 |
| SSW | 1.9 | 1.4 | .5 | | | | | | | | | 3.7 | 3.8 |
| SW | 1.6 | 1.9 | .9 | | | | | | | | | 4.7 | 5.8 |
| WSW | .8 | 1.3 | .5 | .2 | | | | | | | | 2.7 | 5.8 |
| W | 1.3 | 3.1 | 1.4 | .3 | | | | | | | | 6.2 | 5.8 |
| WNW | .7 | 2.1 | 1.3 | .1 | | | | | | | | 4.2 | 5.8 |
| NW | .6 | .8 | .1 | | | | | | | | | 1.5 | 3.8 |
| NNW | 1.3 | .9 | 1.0 | | | | | | | | | 3.3 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 54.8 | |
| | 17.3 | 19.0 | 8.1 | .8 | | | | | | | | 100.0 | 2.1 |

TOTAL NUMBER OF OBSERVATIONS

860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED KNTS DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----------------------|
| N | 4.3 | 6.2 | 3.0 | .2 | | | | | | | | 13.7 |
| NNE | 2.0 | 3.6 | 1.5 | | | | | | | | | 7.1 |
| NE | 2.2 | 1.2 | .3 | | | | | | | | | 3.8 |
| ENE | .8 | .3 | | | | | | | | | | 1.1 |
| E | 1.6 | .6 | .1 | | | | | | | | | 2.2 |
| ESE | .6 | .8 | .1 | .1 | | | | | | | | 1.6 |
| SE | .4 | .6 | .1 | | | | | | | | | 1.1 |
| SSE | .6 | .4 | | .1 | | | | | | | | 1.1 |
| S | 2.1 | 2.0 | .7 | .1 | | | | | | | | 4.9 |
| SSW | 1.6 | 2.0 | 1.2 | .2 | | | | | | | | 5.0 |
| SW | 1.0 | 1.3 | 2.6 | .2 | | | | | | | | 5.2 |
| WSW | .7 | 1.2 | 1.3 | .2 | | .1 | | | | | | 3.6 |
| W | 1.1 | 3.1 | 4.0 | .8 | .1 | | | | | | | 9.2 |
| WNW | .9 | 2.2 | 2.2 | 1.5 | .1 | | | | | | | 7.8 |
| NW | 1.0 | 2.7 | 1.8 | .2 | | | | | | | | 5.7 |
| NNW | 1.2 | 3.0 | 1.9 | .1 | | | | | | | | 6.3 |
| VARBL | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.4 |
| | 22.1 | 31.4 | 21.0 | 3.8 | .2 | .1 | | | | | | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEAR

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.6 | 4.1 | 1.5 | .1 | | | | | | | | 6.2 | 4.6 |
| NNE | 1.7 | 2.7 | 1.5 | | | | | | | | | 5.9 | 4.8 |
| NE | 1.8 | 1.4 | .1 | | | | | | | | | 3.3 | 3.6 |
| ENE | 1.6 | 1.2 | .3 | | | | | | | | | 3.2 | 3.8 |
| E | 1.4 | 1.1 | .6 | .1 | | | | | | | | 3.2 | 5.0 |
| ESE | .9 | 1.8 | .8 | .1 | | | | | | | | 3.6 | 5.0 |
| SE | .9 | 1.4 | | | | | | | | | | 2.3 | 3.7 |
| SSE | .7 | .5 | .1 | | | | | | | | | 1.2 | 4.0 |
| S | 1.2 | 3.5 | 1.4 | .2 | | | | | | | | 6.3 | 5.4 |
| SSW | 1.0 | 3.5 | 1.7 | .9 | | | | | | | | 7.1 | 6.6 |
| SW | .7 | 1.6 | 2.0 | .6 | | | | | | | | 4.9 | 7.1 |
| WSW | .7 | 2.0 | 2.4 | .3 | .1 | | | | | | | 5.5 | 6.9 |
| W | 1.4 | 4.1 | 5.1 | 1.1 | | | | | | | | 11.6 | 7.1 |
| WNW | .8 | 1.2 | 3.4 | 1.6 | .1 | | | | | | | 7.1 | 8.4 |
| NW | 1.0 | 2.7 | 4.1 | 1.0 | .1 | | | | | | | 8.9 | 7.2 |
| NNW | .8 | 2.6 | 2.4 | .1 | .1 | | | | | | | 6.0 | 6.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.6 | |
| | 19.1 | 35.4 | 27.2 | 6.2 | .5 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS

885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.4 | 2.4 | 1.1 | .2 | | | | | | | | 7.2 | 4.4 |
| NNE | 1.1 | 2.1 | .7 | .1 | | | | | | | | 4.0 | 4.8 |
| NE | .9 | 1.4 | .2 | | | | | | | | | 2.5 | 4.0 |
| ENE | .8 | .6 | | | | | | | | | | 1.4 | 3.6 |
| E | 1.4 | 2.8 | .6 | .1 | .1 | | | | | | | 5.0 | 5.0 |
| ESE | 1.1 | 1.6 | .5 | | .1 | | | | | | | 3.3 | 5.1 |
| SE | 1.0 | 1.1 | .1 | | | | | | | | | 2.3 | 3.8 |
| SSE | 1.3 | 1.3 | .1 | | | | | | | | | 2.6 | 3.8 |
| S | 1.7 | 3.2 | 1.1 | .3 | | | | | | | | 6.4 | 5.4 |
| SSW | 1.5 | 3.0 | .9 | .7 | | | | | | | | 6.0 | 5.8 |
| SW | 1.9 | 1.4 | 1.1 | .3 | | | | | | | | 4.8 | 5.0 |
| WSW | .9 | 3.6 | 1.0 | | | | | | | | | 5.6 | 4.9 |
| W | 1.7 | 3.3 | 4.1 | 1.1 | | | | | | | | 10.3 | 7.0 |
| WNW | 1.6 | 1.8 | 2.1 | .9 | | | | | | | | 5.9 | 6.0 |
| NW | 1.4 | 3.6 | 1.9 | .2 | | | | | | | | 7.2 | 5.5 |
| NNW | 1.0 | 3.2 | .9 | .5 | | | | | | | | 5.6 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.0 | |
| | 22.8 | 36.3 | 16.5 | 4.1 | .2 | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS

878

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURE (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.5 | 1.8 | 1.2 | .2 | | | | | | | | 5.8 | 4.5 |
| NNE | .7 | .2 | .2 | .2 | | | | | | | | 1.4 | 5.3 |
| NE | .9 | .5 | .2 | | | | | | | | | 1.6 | 4.8 |
| ENE | .5 | | | | | | | | | | | .5 | 1.5 |
| E | .9 | .7 | | .2 | | | | | | | | 1.8 | 4.6 |
| ESE | 1.6 | 1.6 | .2 | | | | | | | | | 3.5 | 4.1 |
| SE | 1.8 | .2 | | | | | | | | | | 2.1 | 2.2 |
| SSE | 1.2 | | .2 | | | | | | | | | 1.4 | 3.5 |
| S | 2.8 | 1.6 | .7 | | | | | | | | | 5.1 | 4.1 |
| SSW | 2.5 | 2.3 | 1.2 | .2 | | | | | | | | 6.2 | 4.7 |
| SW | 1.6 | 1.6 | .5 | | | | | | | | | 3.7 | 4.2 |
| WSW | 2.1 | .5 | | | | | | | | | | 2.5 | 2.8 |
| W | 2.3 | 3.0 | .9 | .2 | | | | | | | | 6.5 | 4.7 |
| WNW | 1.8 | 2.3 | .7 | | | | | | | | | 4.8 | 4.5 |
| NW | .9 | .7 | .7 | | | | | | | | | 2.3 | 4.8 |
| NNW | 1.4 | 2.1 | .7 | | | | | | | | | 4.2 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 46.7 | |
| | 25.6 | 19.2 | 7.4 | 1.2 | | | | | | | | 100.0 | 2.3 |

TOTAL NUMBER OF OBSERVATIONS

433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

NOV

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 5.5 | 2.3 | .8 | | | | | | | | | 8.5 | 3.4 |
| NNE | .6 | .8 | .2 | | | | | | | | | 1.6 | 3.8 |
| NE | .3 | .2 | .2 | | | | | | | | | .6 | 4.5 |
| ENE | .2 | .3 | | | | | | | | | | .5 | 4.7 |
| E | .2 | | .3 | | | | | | | | | .5 | 7.0 |
| ESE | .3 | | .2 | | | | | | | | | .5 | 4.3 |
| SE | .2 | .2 | | | | | | | | | | .3 | 4.8 |
| SSE | .8 | 1.0 | | | | | | | | | | 1.8 | 3.4 |
| S | .8 | 2.6 | .8 | | | | | | | | | 4.2 | 5.1 |
| SSW | 2.7 | 2.3 | 1.5 | | | | | | | | | 6.5 | 4.8 |
| SW | 1.6 | 1.3 | .2 | | | | | | | | | 3.1 | 3.8 |
| WSW | 1.0 | 1.8 | 1.1 | .2 | | | | | | | | 4.0 | 5.7 |
| W | 1.8 | 2.7 | 2.9 | .3 | | | | | | | | 7.3 | 6.0 |
| WNW | 2.1 | 1.1 | .3 | .2 | | | | | | | | 3.7 | 4.2 |
| NW | 1.3 | 1.3 | .6 | .3 | | | | | | | | 3.5 | 5.3 |
| NNW | 1.5 | 1.1 | 1.6 | | | | | | | | | 4.2 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 49.2 | |
| | 20.8 | 18.9 | 10.2 | 1.0 | | | | | | | | 100.0 | 2.4 |

TOTAL NUMBER OF OBSERVATIONS

620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.0 | 4.3 | 2.5 | .2 | | | | | | | | 11.1 | 4.8 |
| NNE | 1.4 | 1.7 | .6 | | | | | | | | | 3.7 | 4.2 |
| NE | 1.1 | .5 | .1 | | | | | | | | | 1.7 | 3.1 |
| ENE | .6 | .1 | .1 | | | | | | | | | .8 | 3.4 |
| E | .8 | .2 | | | | | | | | | | 1.1 | 3.6 |
| ESE | .1 | | .1 | | | | | | | | | .2 | 5.0 |
| SE | .4 | .4 | | | | | | | | | | .7 | 3.1 |
| SSE | 1.0 | .6 | .1 | | | | | | | | | 1.7 | 3.8 |
| S | 1.8 | 1.4 | .8 | | | | | | | | | 4.1 | 4.4 |
| SSW | 2.0 | 1.8 | 1.3 | .5 | | | | | | | | 5.7 | 5.2 |
| SW | .7 | 1.6 | 1.4 | .4 | | | | | | | | 4.1 | 6.4 |
| WSW | .6 | 1.9 | 2.3 | .5 | | | | | | | | 5.3 | 6.8 |
| W | 1.0 | 3.5 | 6.3 | .8 | | | | | | | | 11.6 | 7.3 |
| WNW | 1.0 | 2.4 | 4.6 | 1.2 | | | | | | | | 9.1 | 7.6 |
| NW | 1.0 | 2.3 | 3.0 | 1.1 | | | | | | | | 7.3 | 7.4 |
| NNW | 1.1 | 2.9 | 2.3 | .2 | | | | | | | | 6.5 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.3 | |
| | 18.5 | 25.6 | 25.6 | 4.9 | | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

YEARS

NOV
MONTH

ALL WEATHER

CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 15 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.0 | 2.8 | .8 | .2 | | | | | | | | 7.8 | 4.3 |
| NNE | 1.9 | 1.3 | .2 | | | | | | | | | 3.5 | 3.7 |
| NE | 1.1 | .4 | .2 | | | | | | | | | 1.7 | 3.4 |
| ENE | 1.0 | .8 | .1 | | | | | | | | | 1.9 | 3.4 |
| E | .8 | .6 | .2 | | | | | | | | | 1.7 | 3.9 |
| ESE | .7 | .5 | .2 | | | | | | | | | 1.4 | 4.1 |
| SE | .4 | .2 | .2 | | | | | | | | | .8 | 4.4 |
| SSE | .6 | 1.7 | .1 | | | | | | | | | 2.4 | 4.2 |
| S | 1.4 | 3.9 | 1.2 | .1 | | | | | | | | 6.6 | 5.1 |
| SSW | 1.2 | 2.2 | 3.5 | .2 | | | | | | | | 7.1 | 6.6 |
| SW | 1.7 | .8 | 1.7 | .5 | .1 | | | | | | | 4.8 | 6.8 |
| WSW | .4 | 1.4 | 2.4 | .5 | | | | | | | | 4.7 | 7.8 |
| W | .7 | 3.3 | 6.4 | 1.9 | | | | | | | | 12.3 | 7.9 |
| WNW | 1.0 | 2.9 | 4.5 | 3.1 | | | | | | | | 11.4 | 8.4 |
| NW | 1.4 | 3.6 | 4.1 | 1.6 | | | | | | | | 10.7 | 7.2 |
| NNW | 1.1 | 3.1 | 3.3 | .6 | | | | | | | | 8.1 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.9 | |
| | 19.4 | 29.5 | 29.3 | 8.8 | .1 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS

830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906

FT DEVENS AAF MA

75-84

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.0 | 1.9 | 1.3 | | | | | | | | | 7.3 | 4.0 |
| NNE | 1.0 | 1.1 | .2 | | | | | | | | | 2.3 | 4.2 |
| NE | .9 | .7 | .1 | | | | | | | | | 1.7 | 3.4 |
| ENE | 1.2 | .2 | .1 | | | | | | | | | 1.6 | 2.6 |
| E | 1.3 | .6 | | | | | | | | | | 1.9 | 3.1 |
| ESE | .4 | .9 | .1 | | | | | | | | | 1.3 | 4.3 |
| SE | 1.1 | 1.1 | .1 | | | | | | | | | 2.3 | 3.7 |
| SSE | .9 | .6 | | .2 | | | | | | | | 1.7 | 4.3 |
| S | 2.9 | 3.0 | 1.0 | .2 | | | | | | | | 7.2 | 4.3 |
| SSW | 1.2 | 2.6 | 2.2 | .9 | | | | | | | | 6.3 | 6.2 |
| SW | 1.8 | 1.6 | 1.3 | .1 | | | | | | | | 4.9 | 5.0 |
| WSW | 1.5 | 1.9 | .9 | .2 | | | | | | | | 4.5 | 5.2 |
| W | 2.2 | 4.0 | 5.2 | 1.2 | | | | | | | | 12.7 | 6.7 |
| WNW | 1.3 | 3.5 | 4.0 | .1 | | | | | | | | 9.0 | 6.4 |
| NW | 1.9 | 3.9 | 4.1 | .5 | | | | | | | | 10.5 | 6.2 |
| NNW | 1.8 | 2.1 | 1.9 | .2 | | | | | | | | 6.1 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.5 | |
| | 25.5 | 29.8 | 22.8 | 3.4 | | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

821

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

NOV

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.3 | 1.4 | 1.2 | | | | | | | | | 4.8 | 4.5 |
| NNE | 1.6 | 1.0 | | | | | | | | | | 2.5 | 2.7 |
| NE | .2 | | | | | | | | | | | .2 | 3.0 |
| ENE | .6 | .4 | .2 | | | | | | | | | 1.2 | 4.0 |
| E | .8 | .6 | | | | | | | | | | 1.4 | 3.4 |
| ESE | .4 | .2 | | | | | | | | | | .6 | 2.3 |
| SE | .6 | .2 | | | | | | | | | | .8 | 2.5 |
| SSE | 1.4 | 1.2 | | | | | | | | | | 2.5 | 3.4 |
| S | 3.3 | 1.7 | 1.2 | .2 | .2 | | | | | | | 6.6 | 5.0 |
| SSW | 1.9 | 2.1 | 1.4 | | | | | | | | | 5.4 | 4.7 |
| SW | 1.2 | 1.0 | .4 | | | | | | | | | 2.5 | 4.1 |
| WSW | 1.6 | 1.9 | .2 | .2 | | | | | | | | 3.9 | 4.6 |
| W | 2.1 | 4.1 | 1.7 | | | | | | | | | 7.9 | 4.9 |
| WNW | 1.6 | 3.7 | 1.7 | .6 | | | | | | | | 7.6 | 5.7 |
| NW | 1.4 | 3.7 | 1.9 | .2 | | | | | | | | 7.2 | 5.7 |
| NNW | 1.0 | 2.5 | 1.9 | | | | | | | | | 5.4 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 39.5 | |
| | 21.7 | 25.6 | 11.8 | 1.2 | .2 | | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS

516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEAR

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L & T)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.2 | 4.2 | 1.6 | | | | | | | | | 10.0 | 4.1 |
| NNE | 1.0 | 2.1 | .6 | | | | | | | | | 3.7 | 4.7 |
| NE | | .2 | .2 | | | | | | | | | .3 | 7.0 |
| ENE | .5 | | | | | | | | | | | .5 | 2.3 |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | .2 | | | | | | | | | | | .2 | 1.0 |
| SSE | 1.0 | .5 | | | | | | | | | | 1.5 | 2.8 |
| S | 2.1 | 1.5 | .5 | | | | | | | | | 4.0 | 3.8 |
| SSW | 1.8 | 1.5 | .8 | .3 | | | | | | | | 4.4 | 4.8 |
| SW | .8 | 1.6 | .5 | | | | | | | | | 2.9 | 4.4 |
| WSW | 1.3 | .2 | .3 | .2 | | | | | | | | 1.9 | 4.4 |
| W | 2.3 | 3.1 | 2.4 | .6 | | | | | | | | 6.4 | 5.9 |
| WNW | .8 | 2.9 | 1.3 | .3 | .2 | | | | | | | 5.5 | 6.1 |
| NW | 1.0 | 1.3 | 2.1 | .3 | | | | | | | | 4.7 | 6.4 |
| NNW | 1.1 | 1.8 | .8 | .3 | | | | | | | | 4.0 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 48.1 | |
| | 17.9 | 20.6 | 11.1 | 2.1 | .2 | | | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS

620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (LST)

CONDITION

| SPEED KNTS DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | % | MEAN WIND SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| N | 5.4 | 3.9 | 2.2 | .1 | | | | | | | | 11.6 | 4.3 |
| NNE | .9 | 2.7 | .6 | | | | | | | | | 4.1 | 4.8 |
| NE | .5 | .9 | .2 | | | | | | | | | 1.6 | 4.8 |
| ENE | | .4 | .1 | | | | | | | | | .5 | 5.0 |
| E | | .2 | .1 | | | | | | | | | .4 | 5.7 |
| ESE | .1 | | | | | | | | | | | .1 | 2.0 |
| SE | | | | | | | | | | | | | |
| SSE | .5 | .1 | | | | | | | | | | .6 | 2.8 |
| S | 1.7 | 1.6 | .2 | .4 | | | | | | | | 3.9 | 4.6 |
| SSW | 2.4 | 1.6 | 1.0 | | | | | | | | | 5.0 | 4.2 |
| SW | 1.5 | 1.3 | 2.7 | .1 | | | | | | | | 5.6 | 6.2 |
| WSW | 1.0 | 2.2 | 1.8 | .5 | | | | | | | | 5.5 | 6.3 |
| W | 1.3 | 5.8 | 3.2 | 1.8 | | | | | | | | 12.2 | 6.8 |
| WNW | 1.1 | 2.4 | 2.4 | .7 | | | | | | | | 6.7 | 6.8 |
| NW | 1.2 | 2.4 | 3.0 | 1.2 | | | | | | | | 7.9 | 7.2 |
| NNW | .4 | 2.4 | 3.2 | 1.1 | | | | | | | | 7.1 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| ALM | | | | | | | | | | | | 27.3 | |
| | 17.9 | 28.0 | 20.8 | 6.0 | | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS

821

USAFETAC

FORM
JUL 64

16-41 (21-4) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906

FT DEVENS AAF MA

75-84

DEC

ALL WEATHER

1200-1400

CLASS

HOURS (LST)

CONDITION

| SPEED KNTS, DIR. | 1-3 | 4-6 | 7-10 | 11-15 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|
| N | 2.6 | 4.2 | 2.5 | .1 | | | | | | | | 9.5 | 5.2 |
| NNE | 2.0 | 2.5 | .4 | | | | | | | | | 4.9 | 4.2 |
| NE | 1.1 | 1.2 | | | | | | | | | | 2.4 | 3.2 |
| ENE | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.9 |
| E | .2 | .4 | | | | | | | | | | .6 | 3.8 |
| ESE | .2 | .2 | | | | | | | | | | .5 | 3.0 |
| SE | | .2 | | | | | | | | | | .2 | 4.0 |
| SSE | 1.0 | .6 | .1 | | | | | | | | | 1.7 | 3.1 |
| S | 1.9 | 2.0 | .7 | .5 | | | | | | | | 5.1 | 5.4 |
| SSW | .9 | 3.0 | .9 | .2 | | | | | | | | 5.0 | 5.4 |
| SW | 1.6 | 1.5 | 1.7 | .7 | .1 | | | | | | | 5.7 | 6.6 |
| WSW | .6 | 1.6 | 2.2 | .2 | | | | | | | | 4.7 | 6.9 |
| W | .9 | 5.7 | 5.1 | 2.5 | .4 | | | | | | | 14.6 | 8.0 |
| WNW | .6 | 2.7 | 4.5 | 1.0 | .1 | | | | | | | 9.0 | 7.8 |
| NW | .9 | 2.4 | 4.4 | 2.2 | .4 | | | | | | | 10.2 | 8.5 |
| NNW | 1.2 | 3.1 | 3.0 | 1.6 | .2 | | | | | | | 9.2 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.5 | |
| | 16.5 | 31.8 | 25.6 | 9.2 | 1.2 | | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS

804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

YEARS

DEC
MONTH

ALL WEATHER

CLASS

1500-1700
HOURS (LST)

CONDITION

| SPEED KNTS: DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.7 | 3.8 | 1.7 | | | | | | | | | 9.2 | 4.3 |
| NNE | 1.8 | 1.9 | .4 | | | | | | | | | 4.1 | 3.9 |
| NE | .5 | .8 | .1 | | | | | | | | | 1.4 | 3.9 |
| ENE | .9 | .5 | | | | | | | | | | 1.4 | 3.1 |
| E | .3 | .4 | | | | | | | | | | .6 | 3.4 |
| ESE | .1 | .4 | | | | | | | | | | .5 | 4.5 |
| SE | .4 | .1 | | | | | | | | | | .5 | 2.8 |
| SSE | .8 | .3 | | | | | | | | | | 1.0 | 2.6 |
| S | 1.7 | 1.3 | .5 | | | | | | | | | 3.4 | 4.0 |
| SSW | 2.2 | 2.2 | 2.2 | .3 | | | | | | | | 6.8 | 5.4 |
| SW | 1.5 | 1.7 | 1.0 | .5 | | | | | | | | 4.7 | 5.3 |
| WSW | 1.9 | 2.7 | 1.0 | .3 | | | | | | | | 5.9 | 5.0 |
| W | 2.8 | 4.2 | 2.9 | 1.3 | | | | | | | | 11.2 | 6.0 |
| WNW | 1.4 | 4.3 | 3.1 | 2.0 | .1 | | | | | | | 11.0 | 7.4 |
| NW | 2.0 | 1.4 | 3.7 | 1.4 | | | | | | | | 8.6 | 7.1 |
| NNW | 1.5 | 2.0 | 2.3 | .6 | | | | | | | | 6.5 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.1 | |
| | 23.5 | 28.0 | 18.9 | 6.4 | .1 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS

783

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR-WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L S T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.1 | 5.2 | 1.5 | | | | | | | | | 18.9 | 4.2 |
| NNE | 1.1 | 1.3 | | | | | | | | | | 2.4 | 3.8 |
| NE | .9 | | .2 | | | | | | | | | 1.1 | 2.8 |
| ENE | | | | | | | | | | | | | |
| E | .2 | .2 | | | | | | | | | | .4 | 3.0 |
| ESE | | | | | | | | | | | | | |
| SE | .7 | .2 | | | | | | | | | | .9 | 2.5 |
| SSE | .9 | .7 | | | | | | | | | | 1.5 | 2.9 |
| S | 1.5 | .9 | | | | | | | | | | 2.4 | 3.2 |
| SSW | 2.0 | 2.4 | 2.2 | .2 | | | | | | | | 6.8 | 5.4 |
| SW | 2.2 | .9 | .4 | | | | | | | | | 3.5 | 3.8 |
| WSW | .7 | .9 | .4 | | | | | | | | | 2.0 | 4.7 |
| W | 2.6 | 4.4 | 1.5 | 1.1 | | | | | | | | 9.6 | 5.6 |
| WNW | 2.4 | 2.2 | 2.0 | 1.1 | .2 | | | | | | | 7.9 | 6.2 |
| NW | 2.2 | 2.0 | .9 | 1.1 | | | | | | | | 6.1 | 5.9 |
| NNW | 1.5 | 1.5 | .9 | .7 | | | | | | | | 4.6 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.0 | |
| | 22.9 | 22.7 | 10.0 | 4.1 | .2 | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS

458

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CEILING VERSUS VISIBILITY

PART 3

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling," versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and the tables are presented by month and available 3-hour groups.

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the 10 mi visibility category should be used with great caution.

For overseas civilian stations reporting "CAVOK", all ceilings greater than 5,000 feet are suppressed into the 5,000 foot ceiling class.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JAN HOURS(LST): 0600-0800

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-------|------|------|------|------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 39.9 | 48.3 | 49.0 | 49.2 | 49.3 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| GE 20000 | 43.5 | 52.6 | 53.5 | 53.8 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| GE 18000 | 43.6 | 52.8 | 53.7 | 54.0 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| GE 16000 | 43.6 | 52.8 | 53.7 | 54.0 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| GE 14000 | 43.8 | 52.9 | 53.8 | 54.1 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| GE 12000 | 44.5 | 53.7 | 54.6 | 54.9 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 10000 | 46.2 | 57.3 | 58.2 | 58.5 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 9000 | 46.2 | 57.3 | 58.2 | 58.5 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 8000 | 46.4 | 60.9 | 61.8 | 62.1 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 7000 | 50.2 | 63.1 | 64.3 | 64.8 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 6000 | 50.5 | 63.9 | 65.1 | 65.5 | 66.1 | 66.4 | 66.4 | 66.4 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 5000 | 51.6 | 65.1 | 66.4 | 66.9 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 4500 | 51.7 | 65.2 | 66.6 | 67.0 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 4000 | 52.8 | 67.0 | 68.4 | 68.8 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 3500 | 53.7 | 68.8 | 70.2 | 70.6 | 71.5 | 71.8 | 72.0 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 3000 | 55.2 | 71.7 | 73.2 | 73.6 | 74.8 | 75.1 | 75.3 | 75.3 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 2500 | 56.2 | 73.5 | 75.1 | 76.0 | 77.4 | 77.7 | 77.8 | 77.8 | 77.8 | 78.3 | 78.3 | 78.3 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 2000 | 56.8 | 75.4 | 77.4 | 78.4 | 79.9 | 80.5 | 81.0 | 81.3 | 81.3 | 81.9 | 82.0 | 82.0 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1800 | 57.0 | 75.6 | 77.5 | 78.6 | 80.1 | 80.7 | 81.1 | 81.4 | 81.4 | 82.0 | 82.2 | 82.2 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 1500 | 57.4 | 76.5 | 78.4 | 79.5 | 81.0 | 81.6 | 82.5 | 83.1 | 83.1 | 83.7 | 83.8 | 83.8 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 1200 | 57.4 | 76.9 | 79.0 | 80.5 | 82.0 | 82.6 | 83.7 | 84.4 | 84.6 | 85.3 | 85.5 | 85.5 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 1000 | 57.4 | 77.7 | 79.8 | 81.3 | 83.2 | 83.8 | 85.3 | 86.5 | 86.7 | 87.9 | 88.3 | 88.3 | 89.2 | 89.2 | 89.4 | 89.4 |
| GE 900 | 57.4 | 77.7 | 79.8 | 81.3 | 83.2 | 84.1 | 85.8 | 87.0 | 87.1 | 88.5 | 88.9 | 88.9 | 89.8 | 90.0 | 90.1 | 90.1 |
| GE 800 | 57.4 | 78.0 | 80.1 | 81.7 | 83.8 | 84.7 | 86.5 | 87.7 | 87.9 | 89.5 | 90.1 | 90.1 | 91.0 | 91.2 | 91.3 | 91.3 |
| GE 700 | 57.6 | 78.3 | 80.7 | 82.3 | 84.4 | 85.5 | 87.3 | 88.5 | 88.8 | 90.6 | 91.6 | 91.6 | 92.5 | 92.7 | 92.8 | 92.8 |
| GE 600 | 57.6 | 78.3 | 80.7 | 82.3 | 84.4 | 85.5 | 87.3 | 88.6 | 88.9 | 91.0 | 92.2 | 92.2 | 93.3 | 93.4 | 93.6 | 93.6 |
| GE 500 | 57.7 | 78.6 | 81.0 | 82.6 | 84.7 | 85.8 | 87.6 | 89.2 | 89.5 | 91.6 | 93.0 | 93.0 | 94.5 | 94.6 | 94.8 | 94.8 |
| GE 400 | 57.7 | 78.6 | 81.1 | 82.8 | 84.9 | 85.9 | 87.7 | 89.4 | 89.7 | 91.8 | 93.1 | 93.1 | 94.9 | 95.1 | 95.2 | 95.2 |
| GE 300 | 57.7 | 78.6 | 81.1 | 82.8 | 85.0 | 86.1 | 87.9 | 89.5 | 89.8 | 92.2 | 93.7 | 94.2 | 96.3 | 97.0 | 97.5 | 97.5 |
| GE 200 | 57.7 | 78.6 | 81.1 | 82.8 | 85.0 | 86.1 | 87.9 | 89.5 | 89.8 | 92.5 | 94.0 | 94.6 | 97.3 | 98.1 | 98.8 | 99.0 |
| GE 100 | 57.7 | 78.6 | 81.1 | 82.8 | 85.0 | 86.1 | 87.9 | 89.5 | 89.8 | 92.5 | 94.0 | 94.8 | 97.6 | 98.7 | 99.7 | 99.9 |
| GE 0 | 57.7 | 78.6 | 81.1 | 82.8 | 85.0 | 86.1 | 87.9 | 89.5 | 89.8 | 92.5 | 94.0 | 94.8 | 97.6 | 98.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 667

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JAN HOURS (LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 45.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| GE 20000 | 51.2 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 18000 | 51.3 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 16000 | 51.3 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 14000 | 51.5 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 12000 | 53.4 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| GE 10000 | 55.4 | 60.2 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 9000 | 55.4 | 60.4 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 8000 | 57.7 | 63.4 | 63.9 | 64.0 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 7000 | 59.3 | 65.3 | 66.4 | 66.7 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 6000 | 60.0 | 66.1 | 67.4 | 67.9 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 5000 | 60.5 | 67.1 | 68.6 | 69.5 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 4500 | 61.2 | 67.8 | 69.2 | 70.1 | 70.6 | 70.6 | 70.9 | 70.9 | 70.9 | 70.9 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 4000 | 62.0 | 69.6 | 71.1 | 72.0 | 72.5 | 72.7 | 72.8 | 72.8 | 72.8 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 3500 | 63.4 | 72.0 | 73.7 | 74.7 | 75.2 | 75.4 | 75.5 | 75.5 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 3000 | 64.4 | 73.6 | 75.3 | 76.3 | 76.8 | 77.2 | 77.3 | 77.3 | 77.3 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 2500 | 65.0 | 74.9 | 77.1 | 78.2 | 79.0 | 79.3 | 79.8 | 80.0 | 80.1 | 80.4 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 2000 | 65.5 | 76.2 | 78.6 | 79.8 | 80.6 | 81.1 | 81.8 | 82.1 | 82.2 | 82.6 | 82.8 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 1800 | 65.8 | 76.4 | 78.9 | 80.0 | 80.9 | 81.3 | 82.0 | 82.3 | 82.4 | 82.8 | 83.0 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 1500 | 65.9 | 77.3 | 80.3 | 81.4 | 82.3 | 82.9 | 83.9 | 84.8 | 84.9 | 85.3 | 85.6 | 85.7 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 1200 | 65.9 | 77.6 | 80.9 | 82.0 | 83.1 | 83.7 | 84.8 | 85.7 | 85.9 | 86.7 | 87.0 | 87.1 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 1000 | 66.0 | 78.3 | 81.8 | 83.1 | 84.7 | 85.6 | 87.1 | 88.1 | 88.6 | 89.4 | 89.7 | 89.8 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 900 | 66.1 | 78.5 | 82.0 | 83.3 | 85.0 | 85.9 | 87.5 | 88.5 | 88.9 | 90.0 | 90.4 | 90.5 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 800 | 66.2 | 78.6 | 82.1 | 83.6 | 85.3 | 86.6 | 88.1 | 89.5 | 89.9 | 91.3 | 91.7 | 91.8 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 700 | 66.2 | 78.9 | 82.3 | 83.8 | 85.9 | 87.2 | 88.9 | 90.1 | 90.8 | 92.1 | 92.7 | 92.8 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 600 | 66.2 | 78.9 | 82.3 | 83.8 | 86.0 | 87.5 | 89.4 | 90.7 | 91.3 | 92.8 | 93.4 | 93.5 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 500 | 66.2 | 78.9 | 82.3 | 83.8 | 86.1 | 87.6 | 89.5 | 91.2 | 91.7 | 93.5 | 94.1 | 94.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 400 | 66.2 | 78.9 | 82.3 | 83.8 | 86.2 | 87.7 | 89.8 | 91.6 | 92.3 | 94.4 | 95.1 | 95.2 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 300 | 66.3 | 79.0 | 82.4 | 83.9 | 86.4 | 87.8 | 90.0 | 91.8 | 92.5 | 94.6 | 95.3 | 95.4 | 97.2 | 97.7 | 97.9 | 97.9 | 97.9 |
| GE 200 | 66.3 | 79.0 | 82.4 | 83.9 | 86.4 | 87.8 | 90.0 | 91.8 | 92.5 | 94.9 | 95.5 | 95.6 | 97.7 | 98.1 | 98.8 | 99.4 | 99.4 |
| GE 100 | 66.3 | 79.0 | 82.4 | 83.9 | 86.4 | 87.8 | 90.0 | 91.8 | 92.5 | 94.9 | 95.5 | 95.6 | 97.9 | 98.3 | 99.1 | 100.0 | 100.0 |
| GE 0 | 66.3 | 79.0 | 82.4 | 83.9 | 86.4 | 87.8 | 90.0 | 91.8 | 92.5 | 94.9 | 95.5 | 95.6 | 97.9 | 98.3 | 99.1 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JAN HOURS(LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|--|
| IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CLIL | 47.3 | 49.4 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | | |
| GE 20000 | 50.5 | 53.3 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | | |
| GE 18000 | 50.5 | 53.3 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | | |
| GE 16000 | 50.5 | 53.3 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | | |
| GE 14000 | 50.5 | 53.4 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | | |
| GE 12000 | 53.0 | 56.0 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | | |
| GE 10000 | 54.2 | 58.6 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | | |
| GE 9000 | 54.4 | 58.9 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | | |
| GE 8000 | 57.3 | 63.4 | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | | |
| GE 7000 | 58.3 | 64.7 | 65.3 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | | |
| GE 6000 | 58.5 | 65.0 | 65.6 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | | |
| GE 5000 | 59.0 | 65.5 | 66.6 | 67.0 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | | |
| GE 4500 | 59.5 | 66.2 | 67.2 | 67.7 | 67.9 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | | |
| GE 4000 | 61.5 | 69.5 | 70.7 | 71.2 | 71.5 | 71.6 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | | |
| GE 3500 | 63.2 | 72.0 | 73.2 | 73.8 | 74.1 | 74.2 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | | |
| GE 3000 | 65.5 | 75.3 | 76.6 | 77.3 | 77.9 | 78.0 | 78.8 | 79.1 | 79.1 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | | |
| GE 2500 | 66.6 | 77.5 | 79.2 | 80.3 | 81.5 | 81.6 | 82.4 | 82.7 | 82.7 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | | |
| GE 2000 | 67.2 | 79.3 | 81.2 | 82.6 | 84.0 | 84.1 | 85.3 | 85.6 | 85.6 | 85.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | | |
| GE 1800 | 67.5 | 79.7 | 81.6 | 82.9 | 84.3 | 84.4 | 85.6 | 86.0 | 86.0 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | | |
| GE 1500 | 67.7 | 80.1 | 82.7 | 84.4 | 86.1 | 86.2 | 87.7 | 88.1 | 88.1 | 88.5 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | | |
| GE 1200 | 67.7 | 80.7 | 83.4 | 85.3 | 87.2 | 87.3 | 88.8 | 89.3 | 89.3 | 89.7 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | | |
| GE 1000 | 67.8 | 81.0 | 83.7 | 85.6 | 87.8 | 87.9 | 89.9 | 90.6 | 90.7 | 91.6 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | | |
| GE 900 | 67.9 | 81.1 | 84.3 | 86.4 | 88.6 | 88.7 | 90.8 | 91.5 | 91.6 | 92.5 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | | |
| GE 800 | 67.9 | 81.1 | 84.4 | 86.6 | 88.9 | 89.0 | 91.2 | 92.2 | 92.3 | 93.6 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | | |
| GE 700 | 67.9 | 81.1 | 84.4 | 86.6 | 88.9 | 89.2 | 91.3 | 92.3 | 92.5 | 93.8 | 94.5 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | | |
| GE 600 | 67.9 | 81.1 | 84.4 | 86.6 | 89.0 | 89.3 | 91.4 | 92.5 | 92.8 | 94.0 | 94.7 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | | |
| GE 500 | 67.9 | 81.1 | 84.4 | 86.6 | 89.0 | 89.3 | 91.4 | 92.7 | 92.9 | 94.2 | 94.9 | 94.9 | 95.7 | 95.8 | 95.8 | 96.2 | 96.3 | | |
| GE 400 | 67.9 | 81.1 | 84.4 | 86.6 | 89.3 | 89.5 | 91.9 | 93.1 | 93.3 | 94.7 | 96.0 | 96.0 | 96.9 | 97.3 | 97.3 | 97.7 | 98.1 | | |
| GE 300 | 67.9 | 81.1 | 84.4 | 86.6 | 89.3 | 89.5 | 92.0 | 93.2 | 93.4 | 94.8 | 96.3 | 96.3 | 97.4 | 97.7 | 97.7 | 98.4 | 98.8 | | |
| GE 200 | 67.9 | 81.1 | 84.4 | 86.6 | 89.3 | 89.5 | 92.0 | 93.2 | 93.4 | 94.8 | 96.3 | 96.3 | 97.9 | 98.2 | 98.2 | 99.0 | 99.7 | | |
| GE 100 | 67.9 | 81.1 | 84.4 | 86.6 | 89.3 | 89.5 | 92.0 | 93.2 | 93.4 | 94.8 | 96.3 | 96.3 | 97.9 | 98.2 | 98.2 | 99.2 | 100.0 | | |
| GE 0 | 67.9 | 81.1 | 84.4 | 86.6 | 89.3 | 89.5 | 92.0 | 93.2 | 93.4 | 94.8 | 96.3 | 96.3 | 97.9 | 98.2 | 98.2 | 99.2 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JAN HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|---------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 46.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| GE 20000 | 51.0 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 18000 | 51.6 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| GE 16000 | 51.6 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| GE 14000 | 51.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| GE 12000 | 52.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 10000 | 54.5 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| GE 9000 | 54.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 8000 | 57.6 | 63.2 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 7000 | 58.2 | 64.3 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 6000 | 58.4 | 64.7 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 5000 | 58.8 | 65.5 | 66.4 | 66.6 | 66.6 | 66.7 | 66.7 | 66.9 | 66.9 | 66.9 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 4500 | 59.4 | 66.2 | 67.1 | 67.3 | 67.3 | 67.4 | 67.5 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 4000 | 61.1 | 68.8 | 70.0 | 70.2 | 70.4 | 70.5 | 70.8 | 70.8 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 3500 | 63.2 | 72.2 | 73.6 | 73.9 | 74.5 | 74.6 | 74.9 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 3000 | 66.6 | 77.1 | 78.7 | 79.3 | 80.1 | 80.3 | 80.9 | 81.0 | 81.0 | 81.0 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 2500 | 67.5 | 79.2 | 80.8 | 81.6 | 82.8 | 83.0 | 83.6 | 83.7 | 83.7 | 84.2 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 2000 | 68.6 | 80.7 | 82.5 | 83.7 | 85.2 | 85.4 | 86.0 | 86.3 | 86.3 | 86.7 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 1800 | 68.7 | 80.9 | 82.8 | 83.9 | 85.6 | 85.9 | 86.6 | 86.8 | 86.8 | 87.3 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 1500 | 69.0 | 81.8 | 83.7 | 85.1 | 87.2 | 87.7 | 88.5 | 88.8 | 88.8 | 89.5 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 1200 | 69.0 | 82.3 | 84.6 | 86.3 | 88.7 | 89.3 | 90.2 | 90.6 | 90.6 | 91.3 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 1000 | 69.0 | 82.4 | 84.7 | 86.5 | 89.2 | 89.8 | 90.8 | 91.2 | 91.2 | 92.3 | 92.9 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 900 | 69.0 | 82.4 | 85.0 | 87.0 | 89.6 | 90.2 | 91.3 | 92.0 | 92.0 | 93.2 | 93.8 | 93.8 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 800 | 69.0 | 82.4 | 85.0 | 87.2 | 90.0 | 90.6 | 91.7 | 92.4 | 92.4 | 93.7 | 94.3 | 94.3 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 700 | 69.0 | 82.4 | 85.0 | 87.2 | 90.1 | 90.7 | 92.0 | 92.8 | 92.8 | 94.2 | 94.8 | 94.8 | 95.2 | 95.6 | 95.6 | 95.8 | 95.8 |
| GE 600 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.0 | 93.0 | 94.4 | 95.0 | 95.0 | 95.0 | 95.6 | 95.9 | 96.2 | 96.2 |
| GE 500 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.0 | 93.0 | 94.4 | 95.0 | 95.1 | 96.0 | 96.4 | 97.0 | 97.0 | 97.0 |
| GE 400 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.1 | 93.1 | 94.5 | 95.1 | 95.3 | 96.7 | 97.1 | 97.8 | 97.9 | 97.9 |
| GE 300 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.1 | 93.1 | 94.5 | 95.2 | 95.5 | 97.1 | 97.4 | 98.3 | 98.5 | 98.5 |
| GE 200 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.1 | 93.1 | 94.5 | 95.2 | 95.5 | 97.4 | 97.8 | 98.8 | 99.7 | 99.7 |
| GE 100 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.1 | 93.1 | 94.5 | 95.2 | 95.5 | 97.4 | 97.8 | 98.8 | 99.8 | 99.9 |
| GE 01 | 69.0 | 82.4 | 85.1 | 87.3 | 90.2 | 90.8 | 92.1 | 93.1 | 93.1 | 94.5 | 95.2 | 95.5 | 97.4 | 97.8 | 98.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 852

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JAN HOURS (LST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 50.8 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 20000 | 54.6 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 18000 | 55.2 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 16000 | 55.3 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 14000 | 55.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 12000 | 56.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 10000 | 58.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 9000 | 58.2 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| GE 8000 | 60.1 | 71.8 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 7000 | 60.9 | 73.1 | 73.7 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 6000 | 61.3 | 73.5 | 74.2 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 5000 | 61.8 | 74.4 | 75.4 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 4500 | 62.2 | 76.0 | 76.9 | 77.5 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 4000 | 63.0 | 78.6 | 79.6 | 80.2 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 3500 | 64.1 | 81.3 | 82.3 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 3000 | 64.3 | 83.0 | 84.5 | 85.1 | 85.5 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 2500 | 65.1 | 84.5 | 86.3 | 86.8 | 87.4 | 87.6 | 88.0 | 88.2 | 88.2 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 2000 | 65.5 | 86.3 | 88.0 | 88.7 | 89.5 | 89.7 | 90.3 | 90.6 | 90.6 | 91.2 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 1800 | 65.5 | 86.3 | 88.0 | 88.7 | 89.7 | 89.9 | 90.5 | 90.8 | 90.8 | 91.4 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 1500 | 65.5 | 87.0 | 88.7 | 90.1 | 91.8 | 92.0 | 92.7 | 93.1 | 93.1 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 1200 | 65.6 | 87.2 | 88.9 | 90.3 | 92.2 | 92.4 | 93.3 | 93.7 | 93.7 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1000 | 66.2 | 87.8 | 89.5 | 90.6 | 92.7 | 92.9 | 94.1 | 94.5 | 94.5 | 95.0 | 95.4 | 95.4 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 900 | 66.2 | 87.8 | 89.7 | 91.2 | 93.1 | 93.3 | 94.5 | 94.8 | 94.8 | 95.4 | 95.8 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 800 | 66.2 | 87.8 | 89.7 | 91.2 | 93.1 | 93.3 | 94.5 | 94.8 | 94.8 | 95.4 | 95.8 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 700 | 66.2 | 87.8 | 89.7 | 91.2 | 93.1 | 93.3 | 94.5 | 94.8 | 94.8 | 95.4 | 95.8 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 600 | 66.2 | 88.0 | 89.9 | 91.4 | 93.3 | 93.5 | 94.7 | 95.0 | 95.0 | 96.2 | 96.6 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 500 | 66.2 | 88.2 | 90.1 | 91.6 | 93.5 | 93.7 | 94.8 | 95.4 | 95.4 | 96.6 | 96.9 | 97.1 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 |
| GE 400 | 66.2 | 88.2 | 90.1 | 91.6 | 93.5 | 93.7 | 95.2 | 95.8 | 95.8 | 96.9 | 97.3 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 |
| GE 300 | 66.2 | 88.2 | 90.1 | 91.6 | 93.5 | 93.7 | 95.2 | 95.8 | 95.8 | 96.9 | 97.3 | 97.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| GE 200 | 66.2 | 88.2 | 90.1 | 91.6 | 93.5 | 93.7 | 95.2 | 95.8 | 95.8 | 96.9 | 97.3 | 97.7 | 99.0 | 99.0 | 99.0 | 99.6 | 99.6 |
| GE 100 | 66.2 | 88.2 | 90.1 | 91.6 | 93.5 | 93.7 | 95.2 | 95.8 | 95.8 | 96.9 | 97.3 | 97.7 | 99.0 | 99.0 | 99.0 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: FEB HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 40.8 | 50.2 | 50.4 | 50.4 | 50.9 | 51.2 | 51.2 | 51.4 | 51.4 | 51.4 | 51.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 |
| GE 20000 | 44.4 | 55.3 | 55.6 | 56.0 | 57.0 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 |
| GE 18000 | 44.4 | 55.3 | 55.6 | 56.0 | 57.0 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 |
| GE 16000 | 44.4 | 55.5 | 55.8 | 56.1 | 57.1 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.3 | 58.3 |
| GE 14000 | 44.5 | 55.8 | 56.1 | 56.5 | 57.4 | 58.1 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 | 58.6 |
| GE 12000 | 45.0 | 57.1 | 57.4 | 57.8 | 58.8 | 59.4 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 |
| GE 10000 | 47.6 | 60.4 | 60.7 | 61.0 | 62.0 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.2 | 63.2 |
| GE 9000 | 48.1 | 61.0 | 61.5 | 61.9 | 62.8 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 64.0 | 64.0 |
| GE 8000 | 48.9 | 63.2 | 63.7 | 64.0 | 65.0 | 65.6 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 |
| GE 7000 | 49.8 | 64.5 | 65.3 | 65.6 | 66.6 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.9 | 67.9 |
| GE 6000 | 49.9 | 64.6 | 65.5 | 65.8 | 66.8 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 |
| GE 5000 | 51.2 | 67.6 | 68.4 | 68.7 | 69.9 | 70.5 | 70.5 | 70.7 | 70.7 | 70.7 | 70.7 | 71.0 | 71.0 | 71.0 | 71.0 | 71.2 | 71.2 |
| GE 4500 | 51.2 | 67.8 | 68.6 | 68.9 | 70.0 | 70.7 | 70.7 | 70.9 | 70.9 | 70.9 | 70.9 | 71.4 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 |
| GE 4000 | 52.2 | 69.4 | 70.2 | 70.5 | 71.7 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 73.0 | 73.0 | 73.0 | 73.0 | 73.5 | 73.5 |
| GE 3500 | 52.5 | 71.0 | 72.0 | 72.3 | 73.5 | 74.1 | 74.1 | 74.5 | 74.5 | 74.5 | 74.5 | 75.0 | 75.0 | 75.0 | 75.0 | 75.5 | 75.5 |
| GE 3000 | 52.9 | 72.7 | 74.0 | 74.5 | 75.6 | 76.3 | 76.3 | 76.6 | 76.6 | 76.6 | 76.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.7 | 77.7 |
| GE 2500 | 54.3 | 75.1 | 76.6 | 77.1 | 78.6 | 79.2 | 79.2 | 79.5 | 79.5 | 79.5 | 79.9 | 80.4 | 80.4 | 80.4 | 80.4 | 80.9 | 80.9 |
| GE 2000 | 54.3 | 75.8 | 77.6 | 78.1 | 79.9 | 80.5 | 80.7 | 81.0 | 81.0 | 81.0 | 81.3 | 81.8 | 81.8 | 81.8 | 81.8 | 82.3 | 82.3 |
| GE 1800 | 54.3 | 76.1 | 77.9 | 78.4 | 80.2 | 80.9 | 81.0 | 81.3 | 81.3 | 81.3 | 81.7 | 82.2 | 82.2 | 82.2 | 82.2 | 82.7 | 82.7 |
| GE 1500 | 54.3 | 76.4 | 78.2 | 78.7 | 80.9 | 81.7 | 81.8 | 82.3 | 82.3 | 82.3 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.6 | 83.6 |
| GE 1200 | 54.3 | 76.8 | 78.9 | 79.4 | 81.5 | 82.3 | 82.5 | 83.0 | 83.0 | 83.0 | 83.3 | 83.8 | 83.8 | 83.8 | 83.8 | 84.3 | 84.3 |
| GE 1000 | 54.3 | 76.9 | 79.2 | 79.9 | 82.2 | 83.0 | 83.6 | 84.5 | 84.5 | 84.5 | 84.8 | 85.4 | 85.4 | 86.1 | 86.1 | 86.6 | 86.6 |
| GE 900 | 54.3 | 76.9 | 79.4 | 80.0 | 82.5 | 83.3 | 84.0 | 85.1 | 85.1 | 85.1 | 85.4 | 86.1 | 86.1 | 86.7 | 86.7 | 87.2 | 87.2 |
| GE 800 | 54.3 | 76.9 | 79.5 | 80.2 | 82.7 | 83.5 | 84.3 | 85.9 | 85.9 | 85.9 | 86.7 | 87.7 | 87.7 | 88.4 | 88.4 | 88.9 | 88.9 |
| GE 700 | 54.3 | 77.1 | 79.7 | 80.4 | 82.8 | 83.6 | 84.5 | 86.3 | 86.3 | 86.3 | 87.1 | 88.2 | 88.2 | 89.0 | 89.0 | 89.5 | 89.5 |
| GE 600 | 54.3 | 77.3 | 80.0 | 81.0 | 83.6 | 84.6 | 85.8 | 87.6 | 87.6 | 87.6 | 88.5 | 89.7 | 89.7 | 90.7 | 90.8 | 91.3 | 91.3 |
| GE 500 | 54.3 | 77.3 | 80.0 | 81.0 | 83.8 | 84.8 | 86.3 | 88.1 | 88.1 | 88.1 | 89.2 | 90.3 | 90.8 | 91.7 | 92.1 | 93.1 | 93.3 |
| GE 400 | 54.3 | 77.4 | 80.2 | 81.3 | 84.5 | 85.4 | 87.4 | 89.7 | 89.7 | 89.7 | 90.8 | 92.3 | 92.8 | 93.6 | 94.1 | 95.3 | 95.7 |
| GE 300 | 54.3 | 77.4 | 80.2 | 81.3 | 84.5 | 85.4 | 87.7 | 90.0 | 90.0 | 90.0 | 91.8 | 93.9 | 94.4 | 95.4 | 95.9 | 97.2 | 97.7 |
| GE 200 | 54.3 | 77.4 | 80.2 | 81.3 | 84.5 | 85.4 | 87.7 | 90.0 | 90.0 | 90.0 | 92.1 | 94.4 | 94.9 | 96.4 | 96.9 | 98.5 | 99.0 |
| GE 100 | 54.3 | 77.4 | 80.2 | 81.3 | 84.5 | 85.4 | 87.7 | 90.0 | 90.0 | 90.0 | 92.1 | 94.4 | 94.9 | 96.4 | 96.9 | 99.0 | 99.8 |
| GE 0 | 54.3 | 77.4 | 80.2 | 81.3 | 84.5 | 85.4 | 87.7 | 90.0 | 90.0 | 90.0 | 92.1 | 94.4 | 94.9 | 96.4 | 96.9 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: FEB HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 44.1 | 48.5 | 48.8 | 48.9 | 49.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | |
| GE 20000 | 49.4 | 55.3 | 56.0 | 56.4 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | |
| GE 18000 | 49.4 | 55.3 | 56.0 | 56.4 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | |
| GE 16000 | 50.0 | 55.9 | 56.6 | 57.0 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | |
| GE 14000 | 50.2 | 56.4 | 57.1 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | |
| GE 12000 | 51.6 | 58.2 | 58.9 | 59.3 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | |
| GE 10000 | 55.5 | 63.0 | 63.9 | 64.3 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | |
| GE 9000 | 55.6 | 63.1 | 64.1 | 64.4 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | |
| GE 8000 | 57.0 | 65.3 | 66.4 | 66.9 | 67.1 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | |
| GE 7000 | 57.6 | 66.9 | 68.0 | 68.5 | 68.7 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | |
| GE 6000 | 57.8 | 67.4 | 68.5 | 69.1 | 69.4 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | |
| GE 5000 | 58.7 | 68.8 | 69.9 | 70.5 | 71.0 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | |
| GE 4500 | 58.8 | 68.9 | 70.0 | 70.7 | 71.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | |
| GE 4000 | 61.5 | 72.2 | 73.3 | 74.2 | 74.8 | 74.9 | 75.1 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | |
| GE 3500 | 61.9 | 73.3 | 74.4 | 75.1 | 75.9 | 76.0 | 76.2 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | |
| GE 3000 | 63.2 | 75.4 | 76.8 | 77.9 | 78.6 | 78.7 | 78.9 | 78.9 | 78.9 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.3 | |
| GE 2500 | 63.7 | 76.7 | 78.4 | 79.6 | 80.3 | 80.4 | 80.6 | 80.6 | 80.6 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.1 | |
| GE 2000 | 64.3 | 77.9 | 80.2 | 81.7 | 82.6 | 83.0 | 83.1 | 83.1 | 83.1 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | |
| GE 1800 | 64.7 | 78.2 | 80.7 | 82.2 | 83.1 | 83.5 | 83.6 | 83.6 | 83.6 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | |
| GE 1500 | 64.8 | 78.6 | 81.2 | 82.8 | 84.0 | 84.4 | 84.7 | 84.8 | 84.8 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.7 | |
| GE 1200 | 64.8 | 78.6 | 81.3 | 82.9 | 84.4 | 84.7 | 85.5 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.4 | |
| GE 1000 | 64.8 | 78.7 | 81.5 | 83.1 | 84.6 | 85.0 | 86.2 | 86.6 | 86.6 | 87.5 | 87.7 | 87.8 | 87.9 | 87.9 | 88.0 | 88.1 | |
| GE 900 | 64.8 | 78.7 | 81.5 | 83.3 | 84.7 | 85.1 | 86.4 | 86.8 | 86.9 | 87.9 | 88.0 | 88.1 | 88.3 | 88.3 | 88.4 | 88.5 | |
| GE 800 | 64.8 | 79.1 | 81.9 | 83.6 | 85.1 | 85.5 | 86.9 | 87.5 | 87.7 | 88.8 | 89.0 | 89.1 | 89.5 | 89.5 | 89.6 | 89.7 | |
| GE 700 | 64.8 | 79.2 | 82.2 | 83.9 | 85.5 | 85.8 | 87.3 | 88.1 | 88.3 | 89.6 | 89.9 | 90.0 | 90.3 | 90.3 | 90.5 | 90.6 | |
| GE 600 | 64.8 | 79.6 | 82.9 | 84.7 | 86.4 | 86.8 | 88.5 | 89.5 | 89.6 | 91.0 | 91.2 | 91.3 | 92.3 | 92.5 | 92.8 | 92.9 | |
| GE 500 | 64.8 | 79.6 | 82.9 | 84.8 | 86.8 | 87.2 | 89.0 | 90.0 | 90.1 | 91.6 | 91.8 | 91.9 | 93.3 | 93.9 | 94.1 | 94.3 | |
| GE 400 | 64.8 | 79.6 | 82.9 | 84.8 | 87.2 | 87.8 | 89.6 | 90.7 | 90.8 | 92.4 | 92.7 | 92.8 | 94.6 | 95.4 | 95.7 | 96.2 | |
| GE 300 | 64.8 | 79.6 | 82.9 | 84.8 | 87.2 | 87.9 | 89.7 | 91.0 | 91.1 | 93.0 | 93.3 | 93.4 | 95.6 | 96.5 | 97.3 | 97.8 | |
| GE 200 | 64.8 | 79.6 | 82.9 | 84.8 | 87.2 | 87.9 | 89.7 | 91.1 | 91.2 | 93.2 | 93.4 | 93.5 | 96.1 | 96.9 | 98.2 | 99.1 | |
| GE 100 | 64.8 | 79.6 | 82.9 | 84.8 | 87.2 | 87.9 | 89.7 | 91.1 | 91.2 | 93.2 | 93.5 | 93.6 | 96.3 | 97.2 | 98.7 | 99.6 | |
| GE 0 | 64.8 | 79.6 | 82.9 | 84.8 | 87.2 | 87.9 | 89.7 | 91.1 | 91.2 | 93.2 | 93.5 | 93.6 | 96.3 | 97.2 | 98.7 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: FEB HOURS(LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 45.6 | 48.3 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | |
| GE 20000 | 52.3 | 55.4 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | |
| GE 18000 | 52.7 | 55.8 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | |
| GE 16000 | 52.9 | 56.0 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | |
| GE 14000 | 53.7 | 56.8 | 57.6 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | |
| GE 12000 | 54.9 | 58.5 | 59.3 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | |
| GE 10000 | 57.9 | 61.7 | 62.9 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | |
| GE 9000 | 58.6 | 62.4 | 63.6 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | |
| GE 8000 | 60.6 | 64.9 | 66.2 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | |
| GE 7000 | 60.7 | 65.2 | 66.6 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | |
| GE 6000 | 60.8 | 65.6 | 67.0 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | |
| GE 5000 | 61.4 | 66.3 | 67.9 | 68.2 | 68.3 | 68.4 | 68.4 | 68.4 | 68.6 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | |
| GE 4500 | 61.5 | 66.6 | 68.2 | 68.4 | 68.6 | 68.7 | 68.7 | 68.7 | 68.8 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | |
| GE 4000 | 63.3 | 68.9 | 70.8 | 71.5 | 71.7 | 71.9 | 71.9 | 71.9 | 72.0 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | |
| GE 3500 | 64.9 | 71.5 | 73.5 | 74.2 | 74.4 | 74.6 | 74.6 | 74.6 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | |
| GE 3000 | 68.1 | 76.4 | 79.0 | 79.7 | 80.0 | 80.1 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | |
| GE 2500 | 68.8 | 78.6 | 81.3 | 82.2 | 82.4 | 82.6 | 82.6 | 82.6 | 82.7 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | |
| GE 2000 | 69.0 | 79.4 | 82.1 | 83.4 | 83.9 | 84.0 | 84.5 | 84.6 | 84.8 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | |
| GE 1800 | 69.3 | 79.6 | 82.3 | 83.7 | 84.2 | 84.3 | 84.8 | 84.9 | 85.0 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | |
| GE 1500 | 69.3 | 79.9 | 82.7 | 84.2 | 84.6 | 84.8 | 85.3 | 85.4 | 85.5 | 85.7 | 85.7 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | |
| GE 1200 | 69.3 | 80.0 | 82.9 | 84.5 | 85.5 | 85.7 | 86.6 | 86.7 | 86.9 | 87.1 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | |
| GE 1000 | 69.3 | 80.1 | 83.4 | 85.1 | 86.2 | 86.5 | 87.8 | 88.3 | 88.5 | 88.9 | 88.9 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | |
| GE 900 | 69.3 | 80.2 | 83.7 | 85.4 | 86.7 | 87.0 | 88.3 | 88.9 | 89.1 | 89.6 | 89.6 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | |
| GE 800 | 69.3 | 80.2 | 83.8 | 85.6 | 87.0 | 87.3 | 88.7 | 89.6 | 89.7 | 90.2 | 90.4 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | |
| GE 700 | 69.3 | 80.2 | 83.8 | 85.6 | 87.1 | 87.5 | 88.8 | 89.7 | 90.0 | 90.5 | 90.9 | 91.2 | 91.8 | 91.8 | 91.8 | 91.8 | |
| GE 600 | 69.3 | 80.2 | 83.8 | 86.2 | 87.7 | 88.2 | 89.7 | 90.8 | 91.2 | 91.9 | 92.3 | 92.6 | 93.6 | 93.6 | 93.6 | 93.6 | |
| GE 500 | 69.3 | 80.2 | 83.9 | 86.9 | 88.6 | 89.1 | 90.5 | 91.6 | 92.3 | 93.1 | 93.7 | 94.2 | 95.5 | 95.6 | 95.6 | 95.6 | |
| GE 400 | 69.3 | 80.2 | 83.9 | 86.9 | 88.6 | 89.1 | 90.5 | 91.6 | 92.4 | 93.2 | 93.9 | 94.3 | 96.1 | 96.2 | 96.2 | 96.6 | |
| GE 300 | 69.3 | 80.2 | 83.9 | 86.9 | 88.6 | 89.2 | 90.7 | 91.8 | 92.5 | 93.7 | 94.7 | 95.2 | 97.3 | 97.4 | 97.7 | 98.2 | |
| GE 200 | 69.3 | 80.2 | 83.9 | 86.9 | 88.6 | 89.2 | 90.7 | 91.8 | 92.5 | 94.0 | 95.3 | 95.8 | 98.4 | 98.5 | 98.8 | 99.3 | |
| GE 100 | 69.3 | 80.2 | 83.9 | 86.9 | 88.6 | 89.2 | 90.7 | 91.8 | 92.5 | 94.0 | 95.5 | 95.9 | 98.5 | 98.6 | 99.0 | 99.6 | |
| GE 0 | 69.3 | 80.2 | 83.9 | 86.9 | 88.6 | 89.2 | 90.7 | 91.8 | 92.5 | 94.0 | 95.5 | 95.9 | 98.5 | 98.6 | 99.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 814

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: FEB HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|----|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 49.6 | 51.6 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | | |
| GE 20000 | 56.4 | 58.6 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | | |
| GE 18000 | 56.6 | 58.7 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | | |
| GE 16000 | 56.6 | 58.7 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | | |
| GE 14000 | 56.9 | 59.2 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | | |
| GE 12000 | 58.2 | 60.5 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | | |
| GE 10000 | 60.4 | 63.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | | |
| GE 9000 | 61.2 | 64.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | | |
| GE 8000 | 63.1 | 66.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | | |
| GE 7000 | 63.5 | 67.4 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | | |
| GE 6000 | 63.6 | 67.6 | 68.8 | 68.8 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | | |
| GE 5000 | 64.0 | 68.9 | 70.2 | 70.5 | 70.6 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | | |
| GE 4500 | 64.0 | 69.2 | 70.5 | 70.7 | 70.8 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | | |
| GE 4000 | 66.3 | 71.7 | 73.2 | 73.6 | 73.7 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | | |
| GE 3500 | 68.1 | 73.9 | 75.5 | 76.3 | 76.6 | 76.8 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | | |
| GE 3000 | 69.9 | 77.3 | 79.3 | 80.3 | 80.8 | 80.9 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | | |
| GE 2500 | 70.8 | 80.2 | 82.6 | 83.7 | 84.2 | 84.3 | 84.6 | 84.6 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | | |
| GE 2000 | 70.8 | 80.8 | 83.6 | 84.4 | 85.6 | 85.9 | 86.4 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | | |
| GE 1800 | 70.8 | 80.8 | 83.6 | 85.1 | 85.9 | 86.1 | 86.6 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | | |
| GE 1500 | 70.8 | 80.9 | 83.7 | 85.2 | 86.0 | 86.4 | 86.9 | 87.2 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | | |
| GE 1200 | 70.8 | 80.9 | 84.0 | 85.6 | 87.5 | 87.9 | 88.5 | 88.9 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | | |
| GE 1000 | 71.0 | 81.3 | 84.5 | 86.1 | 88.1 | 88.5 | 89.3 | 89.6 | 89.9 | 90.5 | 90.5 | 90.5 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | | |
| GE 900 | 71.0 | 81.3 | 84.5 | 86.6 | 88.6 | 89.0 | 89.9 | 90.5 | 90.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | | |
| GE 800 | 71.0 | 81.7 | 84.8 | 87.0 | 89.0 | 89.4 | 90.3 | 91.0 | 91.3 | 91.9 | 92.0 | 92.0 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | | |
| GE 700 | 71.0 | 81.7 | 84.8 | 87.1 | 89.3 | 89.6 | 90.7 | 91.4 | 91.7 | 92.4 | 92.6 | 92.6 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | | |
| GE 600 | 71.0 | 81.7 | 84.8 | 87.1 | 89.4 | 89.9 | 91.2 | 92.2 | 92.4 | 93.3 | 93.4 | 93.4 | 93.4 | 94.1 | 94.1 | 94.1 | 94.1 | | |
| GE 500 | 71.0 | 81.7 | 84.8 | 87.2 | 89.5 | 90.0 | 91.3 | 92.6 | 92.8 | 94.1 | 94.3 | 94.3 | 94.3 | 94.9 | 95.3 | 95.3 | 95.5 | | |
| GE 400 | 71.0 | 81.7 | 84.8 | 87.2 | 89.8 | 90.3 | 91.7 | 92.9 | 93.2 | 94.6 | 94.8 | 94.8 | 94.8 | 95.7 | 96.2 | 96.3 | 96.5 | | |
| GE 300 | 71.0 | 81.7 | 84.8 | 87.2 | 89.9 | 90.4 | 91.8 | 93.2 | 93.4 | 95.3 | 96.1 | 96.1 | 96.1 | 97.1 | 97.6 | 97.7 | 98.0 | | |
| GE 200 | 71.0 | 81.7 | 84.8 | 87.2 | 89.9 | 90.4 | 91.8 | 93.3 | 93.6 | 95.5 | 96.6 | 96.6 | 96.6 | 97.9 | 98.6 | 98.9 | 99.4 | | |
| GE 100 | 71.0 | 81.7 | 84.8 | 87.2 | 89.9 | 90.4 | 91.8 | 93.3 | 93.6 | 95.5 | 96.8 | 96.8 | 96.8 | 98.1 | 98.9 | 99.4 | 99.9 | | |
| GE 0 | 71.0 | 81.7 | 84.8 | 87.2 | 89.9 | 90.4 | 91.8 | 93.3 | 93.6 | 95.5 | 96.8 | 96.8 | 96.8 | 98.1 | 98.9 | 99.4 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 792

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 74-84
MONTH: FEB HOURS: 0001-1900

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 |
| NO CEIL | 50.3 | 56.7 | 56.9 | 57.3 | 57.7 | 57.7 | 57.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 20000 | 55.1 | 63.3 | 63.5 | 63.9 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 18000 | 55.1 | 63.3 | 63.5 | 63.9 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 16000 | 55.1 | 63.3 | 63.5 | 63.9 | 64.3 | 64.3 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 14000 | 55.1 | 63.7 | 63.9 | 64.3 | 64.7 | 64.7 | 64.7 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 12000 | 56.3 | 65.1 | 65.3 | 65.7 | 66.1 | 66.1 | 66.1 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 10000 | 59.3 | 68.5 | 68.7 | 69.3 | 69.7 | 69.7 | 69.7 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 9000 | 59.7 | 69.1 | 69.3 | 69.7 | 70.3 | 70.3 | 70.3 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 8000 | 61.3 | 71.5 | 71.9 | 72.5 | 73.1 | 73.1 | 73.1 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 7000 | 61.7 | 71.9 | 72.3 | 72.9 | 73.5 | 73.5 | 73.5 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 6000 | 61.7 | 72.1 | 72.5 | 73.1 | 73.7 | 73.7 | 73.7 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 5000 | 61.9 | 73.3 | 74.1 | 74.7 | 75.4 | 75.6 | 75.6 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 4500 | 61.9 | 74.3 | 75.2 | 75.8 | 76.4 | 76.6 | 76.6 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 4000 | 63.9 | 77.0 | 77.8 | 78.4 | 79.0 | 79.2 | 79.2 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 3500 | 64.5 | 78.0 | 78.8 | 79.4 | 80.0 | 80.2 | 80.2 | 80.6 | 80.6 | 80.6 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 3000 | 66.1 | 80.2 | 81.2 | 81.8 | 82.4 | 82.6 | 82.6 | 83.2 | 83.2 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 2500 | 66.7 | 81.0 | 82.8 | 83.6 | 84.4 | 84.6 | 84.6 | 85.2 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 2000 | 66.7 | 81.8 | 84.0 | 84.8 | 85.6 | 85.8 | 85.8 | 86.4 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 1800 | 66.7 | 81.8 | 84.0 | 84.8 | 85.6 | 85.8 | 85.8 | 86.4 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 1500 | 66.7 | 82.2 | 84.8 | 85.6 | 86.4 | 87.0 | 87.4 | 88.0 | 88.0 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 1200 | 66.7 | 82.2 | 84.8 | 85.6 | 86.8 | 87.4 | 87.8 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 1000 | 66.7 | 82.2 | 84.8 | 85.6 | 86.8 | 87.4 | 87.8 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 900 | 66.7 | 82.4 | 85.0 | 86.2 | 87.4 | 88.0 | 88.4 | 89.6 | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 800 | 66.7 | 82.4 | 85.0 | 86.2 | 87.4 | 88.0 | 88.0 | 89.0 | 90.2 | 90.2 | 90.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.6 |
| GE 700 | 66.7 | 82.6 | 85.2 | 86.4 | 87.6 | 88.2 | 89.2 | 90.4 | 90.4 | 91.0 | 91.6 | 91.6 | 92.0 | 92.0 | 92.0 | 92.4 |
| GE 600 | 66.7 | 82.8 | 85.4 | 86.6 | 88.0 | 88.6 | 89.8 | 91.0 | 91.0 | 91.6 | 92.2 | 92.2 | 92.8 | 92.8 | 93.8 | 93.2 |
| GE 500 | 66.7 | 82.8 | 85.4 | 86.6 | 88.4 | 89.0 | 90.4 | 91.6 | 91.6 | 92.2 | 93.0 | 93.0 | 93.6 | 93.6 | 93.8 | 94.2 |
| GE 400 | 66.7 | 82.8 | 85.4 | 86.6 | 88.4 | 89.0 | 90.6 | 92.0 | 92.0 | 93.0 | 94.0 | 94.0 | 94.6 | 94.6 | 95.2 | 95.6 |
| GE 300 | 66.7 | 82.8 | 85.4 | 86.6 | 88.6 | 89.2 | 90.8 | 92.4 | 92.4 | 93.6 | 95.0 | 95.2 | 96.6 | 96.8 | 98.0 | 98.4 |
| GE 200 | 66.7 | 82.8 | 85.4 | 86.6 | 88.6 | 89.2 | 90.8 | 92.4 | 92.4 | 93.8 | 95.4 | 95.8 | 97.4 | 97.8 | 99.0 | 99.4 |
| GE 100 | 66.7 | 82.8 | 85.4 | 86.6 | 88.8 | 89.4 | 91.0 | 92.6 | 92.6 | 94.0 | 95.6 | 96.0 | 97.6 | 98.0 | 99.2 | 99.6 |
| GE 01 | 66.7 | 82.8 | 85.4 | 86.6 | 88.8 | 89.4 | 91.0 | 92.6 | 92.6 | 94.0 | 95.8 | 96.2 | 97.8 | 98.2 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 499

UNCLASSIFIED

JUL 85 USAFETAC/DS-85/027

F/G 4/2

NL

2/4



1.0



1.1



1.25

1.5
1.8
2.0
2.2
2.5
2.8
3.15
3.6
4.0
4.5



2.8



3.15



3.6



4.0



4.5



2.5



2.2



2.0



1.8



1.4



1.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(IST): 0600-0800

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 38.6 | 43.7 | 44.5 | 44.9 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.6 | 45.6 |
| GE 20000 | 44.5 | 50.2 | 51.0 | 51.4 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 |
| GE 18000 | 44.7 | 50.5 | 51.3 | 51.7 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.4 | 52.4 |
| GE 16000 | 44.7 | 50.7 | 51.6 | 52.0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.6 | 52.6 |
| GE 14000 | 45.3 | 51.4 | 52.2 | 52.6 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 |
| GE 12000 | 46.4 | 52.8 | 53.6 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.7 | 54.7 |
| GE 10000 | 49.1 | 56.3 | 57.1 | 57.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.2 | 58.2 |
| GE 9000 | 49.5 | 57.2 | 58.0 | 58.4 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.4 | 59.4 |
| GE 8000 | 50.9 | 59.2 | 60.2 | 60.6 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.7 | 61.7 |
| GE 7000 | 51.7 | 60.5 | 61.5 | 61.9 | 62.6 | 62.6 | 62.9 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.2 | 63.2 |
| GE 6000 | 52.2 | 61.1 | 62.2 | 62.6 | 63.3 | 63.3 | 63.6 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 64.0 | 64.0 |
| GE 5000 | 53.0 | 62.5 | 63.6 | 64.0 | 64.8 | 64.8 | 65.2 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 |
| GE 4500 | 53.7 | 63.3 | 64.4 | 64.9 | 65.9 | 65.9 | 66.3 | 66.5 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 |
| GE 4000 | 54.3 | 64.6 | 65.7 | 66.3 | 67.5 | 67.5 | 68.0 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 |
| GE 3500 | 55.7 | 66.9 | 68.2 | 69.0 | 70.2 | 70.2 | 70.7 | 71.1 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 |
| GE 3000 | 57.8 | 70.0 | 71.4 | 72.2 | 73.4 | 73.4 | 74.0 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.8 | 74.8 |
| GE 2500 | 58.3 | 71.1 | 72.5 | 73.3 | 74.5 | 74.5 | 75.0 | 75.6 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 |
| GE 2000 | 58.4 | 72.2 | 73.7 | 74.6 | 76.1 | 76.2 | 76.9 | 77.6 | 77.6 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.5 | 78.5 |
| GE 1800 | 58.6 | 72.5 | 74.0 | 74.9 | 76.5 | 76.7 | 77.3 | 78.1 | 78.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78.9 | 78.9 | 79.1 | 79.1 |
| GE 1500 | 58.6 | 73.4 | 75.2 | 76.2 | 78.1 | 78.4 | 79.1 | 79.9 | 79.9 | 80.4 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 |
| GE 1200 | 58.7 | 73.8 | 76.0 | 77.1 | 78.9 | 79.4 | 80.0 | 80.8 | 80.8 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 |
| GE 1000 | 58.7 | 74.4 | 76.8 | 78.0 | 80.4 | 80.8 | 81.5 | 82.6 | 82.6 | 83.4 | 83.5 | 83.7 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 |
| GE 900 | 58.7 | 74.9 | 77.5 | 78.7 | 81.5 | 81.9 | 82.9 | 83.9 | 83.9 | 85.0 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.6 | 85.6 |
| GE 800 | 59.1 | 75.3 | 78.5 | 80.0 | 83.0 | 83.4 | 84.3 | 85.6 | 85.6 | 86.9 | 87.0 | 87.2 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 |
| GE 700 | 59.1 | 75.7 | 78.9 | 80.4 | 83.5 | 84.2 | 85.8 | 87.2 | 87.2 | 88.5 | 88.7 | 88.8 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 |
| GE 600 | 59.1 | 75.7 | 79.2 | 80.7 | 84.2 | 85.0 | 87.6 | 88.9 | 88.9 | 90.6 | 90.7 | 91.0 | 91.8 | 91.8 | 91.8 | 91.9 | 92.0 |
| GE 500 | 59.1 | 75.7 | 79.2 | 81.0 | 84.5 | 85.3 | 88.1 | 89.7 | 89.7 | 91.6 | 91.8 | 92.2 | 93.1 | 93.3 | 93.3 | 93.5 | 93.8 |
| GE 400 | 59.1 | 75.7 | 79.2 | 81.1 | 84.6 | 85.6 | 88.7 | 90.3 | 90.4 | 92.7 | 93.0 | 93.5 | 94.7 | 94.9 | 94.9 | 95.1 | 95.4 |
| GE 300 | 59.1 | 75.7 | 79.2 | 81.1 | 84.9 | 85.8 | 89.3 | 91.2 | 91.4 | 94.2 | 94.6 | 95.0 | 96.9 | 97.0 | 97.0 | 97.4 | 97.8 |
| GE 200 | 59.1 | 75.7 | 79.2 | 81.1 | 84.9 | 85.8 | 89.5 | 91.5 | 91.8 | 94.6 | 95.1 | 95.5 | 97.7 | 98.1 | 98.1 | 98.8 | 99.2 |
| GE 100 | 59.1 | 75.7 | 79.2 | 81.1 | 84.9 | 85.8 | 89.5 | 91.5 | 91.8 | 94.6 | 95.1 | 95.5 | 97.7 | 98.1 | 98.1 | 99.1 | 99.7 |
| GE 0 | 59.1 | 75.7 | 79.2 | 81.1 | 84.9 | 85.8 | 89.5 | 91.5 | 91.8 | 94.6 | 95.1 | 95.5 | 97.7 | 98.1 | 98.1 | 99.1 | 100.0 |
| TOTAL NUMBER OF OBSERVATIONS: 741 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 741

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 0900-1100

| NO | CEIL | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------------------|------|-----------------------------|---------|---------|---------|---------|---------|----------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | | IN FEET | 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| GE 20000 | 46.7 | 50.2 | 50.6 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 18000 | 46.2 | 50.4 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| GE 16000 | 46.9 | 50.4 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| GE 14000 | 47.5 | 50.9 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| GE 12000 | 47.9 | 51.5 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| GE 10000 | 50.7 | 55.0 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 9000 | 50.9 | 55.6 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 8000 | 53.8 | 59.8 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GE 7000 | 54.2 | 60.2 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 6000 | 54.7 | 61.0 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 5000 | 55.1 | 62.4 | 63.2 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 4500 | 56.0 | 63.5 | 64.3 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 4000 | 57.3 | 65.2 | 66.2 | 66.4 | 66.5 | 66.5 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 3500 | 59.5 | 68.1 | 69.4 | 69.6 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 3000 | 62.1 | 71.7 | 73.5 | 73.7 | 74.1 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 2500 | 63.5 | 74.8 | 76.9 | 77.2 | 77.5 | 77.5 | 77.5 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 2000 | 64.1 | 76.4 | 78.5 | 78.8 | 79.5 | 79.5 | 79.5 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 1800 | 64.3 | 76.6 | 78.8 | 79.4 | 79.8 | 79.8 | 79.8 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.9 | 81.0 | 81.0 | 81.0 |
| GE 1500 | 64.6 | 78.6 | 81.0 | 81.5 | 81.9 | 81.9 | 81.9 | 82.7 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 1200 | 64.8 | 79.6 | 82.2 | 82.9 | 83.7 | 83.7 | 84.5 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 1000 | 64.8 | 79.9 | 82.5 | 83.4 | 84.4 | 84.5 | 85.7 | 86.6 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 87.1 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 900 | 65.0 | 80.2 | 82.8 | 83.7 | 85.0 | 85.2 | 86.9 | 87.2 | 87.4 | 87.6 | 87.7 | 87.8 | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 800 | 65.0 | 80.3 | 83.0 | 84.3 | 85.4 | 85.6 | 86.9 | 87.8 | 88.0 | 88.3 | 88.4 | 88.5 | 88.8 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 700 | 65.0 | 80.3 | 83.0 | 84.6 | 86.3 | 86.6 | 88.1 | 89.0 | 89.3 | 89.6 | 89.7 | 89.8 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 600 | 65.0 | 80.3 | 83.0 | 84.8 | 86.5 | 87.0 | 89.1 | 90.1 | 90.4 | 90.8 | 90.9 | 91.0 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 500 | 65.0 | 80.5 | 83.5 | 85.2 | 87.0 | 88.0 | 90.4 | 91.6 | 92.0 | 92.6 | 92.8 | 93.1 | 93.9 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 400 | 65.0 | 80.5 | 83.5 | 85.2 | 87.4 | 88.3 | 91.1 | 92.4 | 93.0 | 93.7 | 94.2 | 94.6 | 95.5 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 300 | 65.0 | 80.6 | 83.6 | 85.3 | 87.7 | 88.6 | 91.7 | 93.1 | 93.6 | 94.5 | 95.4 | 95.8 | 96.8 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 |
| GE 200 | 65.0 | 80.8 | 83.7 | 85.4 | 87.8 | 88.8 | 91.9 | 93.4 | 93.9 | 95.0 | 95.9 | 96.4 | 97.9 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 |
| GE 100 | 65.0 | 80.8 | 83.7 | 85.4 | 87.8 | 88.8 | 91.9 | 93.4 | 93.9 | 95.0 | 96.1 | 96.6 | 98.4 | 99.0 | 99.6 | 99.6 | 99.9 | 99.9 |
| GE | 0 | 65.0 | 80.8 | 83.7 | 85.4 | 87.8 | 88.8 | 91.9 | 93.4 | 93.9 | 95.0 | 96.1 | 96.6 | 98.4 | 99.0 | 99.6 | 100.0 | 100.0 |
| TOTAL NUMBER OF OBSERVATIONS: 925 | | | | | | | | | | | | | | | | | | |

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-------------------------------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|--|
| IN FEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | 42.8 | 44.6 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | |
| GE 20000 | 46.7 | 48.9 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | |
| GE 18000 | 46.2 | 48.1 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | |
| GE 16000 | 46.9 | 49.1 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | |
| GE 14000 | 47.5 | 49.6 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | |
| GE 12000 | 48.4 | 50.6 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | |
| GE 10000 | 50.9 | 53.8 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | |
| GE 9000 | 50.9 | 53.8 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | |
| GE 8000 | 52.7 | 56.7 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | |
| GE 7000 | 53.8 | 58.1 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | |
| GE 6000 | 54.0 | 58.4 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | |
| GE 5000 | 54.8 | 59.6 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | |
| GE 4500 | 55.3 | 60.3 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| GE 4000 | 58.8 | 64.6 | 65.2 | 65.3 | 65.4 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | |
| GE 3500 | 61.5 | 67.9 | 68.7 | 68.8 | 68.9 | 69.0 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | |
| GE 3000 | 66.4 | 74.3 | 75.2 | 75.3 | 75.4 | 75.5 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | |
| GE 2500 | 67.4 | 76.5 | 77.5 | 77.8 | 78.0 | 78.1 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | |
| GE 2000 | 68.6 | 79.3 | 80.6 | 81.3 | 81.5 | 81.8 | 82.7 | 82.9 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | |
| GE 1800 | 68.8 | 79.5 | 81.0 | 81.8 | 82.0 | 82.4 | 83.3 | 83.5 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | |
| GE 1500 | 69.1 | 80.6 | 82.6 | 83.6 | 84.0 | 84.4 | 85.4 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | |
| GE 1200 | 69.1 | 81.1 | 84.0 | 85.2 | 86.0 | 86.5 | 87.4 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1000 | 69.1 | 81.6 | 84.6 | 85.9 | 87.0 | 87.6 | 88.7 | 89.3 | 89.3 | 89.4 | 89.6 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | |
| GE 900 | 69.1 | 81.6 | 84.7 | 86.0 | 87.1 | 87.8 | 88.8 | 89.4 | 89.4 | 89.5 | 89.8 | 89.8 | 89.9 | 89.9 | 90.0 | 90.0 | |
| GE 800 | 69.1 | 81.8 | 84.9 | 86.3 | 87.4 | 88.2 | 89.5 | 90.0 | 90.0 | 90.1 | 90.6 | 90.6 | 90.7 | 90.7 | 90.8 | 90.8 | |
| GE 700 | 69.1 | 81.9 | 85.0 | 87.2 | 89.2 | 90.4 | 91.9 | 92.5 | 92.8 | 93.0 | 93.4 | 93.4 | 93.5 | 93.5 | 93.7 | 93.7 | |
| GE 600 | 69.1 | 82.1 | 85.3 | 87.4 | 89.7 | 91.1 | 92.7 | 93.7 | 94.1 | 94.4 | 94.8 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | |
| GE 500 | 69.1 | 82.1 | 85.3 | 87.5 | 90.2 | 91.7 | 93.6 | 94.7 | 95.1 | 95.4 | 95.9 | 96.0 | 96.5 | 96.5 | 96.7 | 96.7 | |
| GE 400 | 69.1 | 82.2 | 85.4 | 87.6 | 90.5 | 91.9 | 93.8 | 95.2 | 95.4 | 96.4 | 96.9 | 97.0 | 97.5 | 97.5 | 97.7 | 97.7 | |
| GE 300 | 69.1 | 82.2 | 85.4 | 87.6 | 90.6 | 92.0 | 93.9 | 95.3 | 96.4 | 97.2 | 97.6 | 97.7 | 98.5 | 98.5 | 98.8 | 98.8 | |
| GE 200 | 69.1 | 82.2 | 85.4 | 87.6 | 90.6 | 92.0 | 93.9 | 95.3 | 96.4 | 97.4 | 97.9 | 98.2 | 98.4 | 98.4 | 99.6 | 99.6 | |
| GE 100 | 69.1 | 82.2 | 85.4 | 87.6 | 90.6 | 92.0 | 93.9 | 95.3 | 96.4 | 97.4 | 97.9 | 98.2 | 98.9 | 98.9 | 99.9 | 99.9 | |
| GE 0 | 69.1 | 82.2 | 85.4 | 87.6 | 90.6 | 92.0 | 93.9 | 95.3 | 96.4 | 97.4 | 97.9 | 98.2 | 98.9 | 98.9 | 99.9 | 100.0 | |
| TOTAL NUMBER OF OBSERVATIONS: | | 923 | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 46.1 | 47.7 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| GE 20000 | 50.7 | 52.6 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| GE 18000 | 51.0 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| GE 16000 | 51.0 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| GE 14000 | 51.5 | 53.4 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| GE 12000 | 52.9 | 54.8 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 10000 | 54.8 | 57.3 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 9000 | 55.1 | 57.6 | 58.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 8000 | 56.7 | 59.6 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 7000 | 57.0 | 60.3 | 60.7 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| GE 6000 | 57.3 | 60.6 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 5000 | 58.2 | 62.5 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 4500 | 58.8 | 63.2 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 4000 | 60.4 | 65.6 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 3500 | 65.0 | 71.7 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 3000 | 68.2 | 76.5 | 77.1 | 77.2 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 2500 | 69.5 | 78.9 | 79.8 | 79.9 | 80.2 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 2000 | 70.2 | 81.2 | 82.3 | 82.5 | 82.9 | 83.1 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 1800 | 70.2 | 81.4 | 82.7 | 82.8 | 83.2 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 1500 | 70.5 | 82.6 | 84.5 | 85.4 | 85.8 | 86.2 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 1200 | 70.5 | 83.0 | 84.9 | 85.9 | 86.5 | 86.8 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1000 | 70.5 | 83.4 | 85.5 | 86.5 | 87.3 | 87.7 | 88.2 | 88.8 | 88.8 | 88.9 | 89.0 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 900 | 70.5 | 83.4 | 85.5 | 86.5 | 87.3 | 87.7 | 88.2 | 88.8 | 88.8 | 88.9 | 89.1 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 800 | 70.5 | 83.5 | 85.6 | 86.7 | 87.9 | 88.3 | 89.1 | 90.0 | 90.0 | 90.3 | 90.8 | 90.9 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 700 | 70.5 | 83.8 | 86.1 | 87.3 | 88.6 | 89.4 | 90.2 | 91.1 | 91.1 | 91.8 | 92.2 | 92.4 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 600 | 70.5 | 84.1 | 86.6 | 87.9 | 89.7 | 90.4 | 91.3 | 92.4 | 92.4 | 93.1 | 93.8 | 93.9 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 500 | 70.5 | 84.1 | 86.6 | 87.9 | 89.8 | 90.9 | 91.9 | 93.4 | 93.4 | 94.6 | 95.4 | 95.5 | 96.6 | 96.7 | 96.7 | 96.7 |
| GE 400 | 70.5 | 84.1 | 86.6 | 87.9 | 89.9 | 91.0 | 92.0 | 93.6 | 93.9 | 95.4 | 96.2 | 96.3 | 97.6 | 97.8 | 97.9 | 97.9 |
| GE 300 | 70.5 | 84.1 | 86.6 | 87.9 | 89.9 | 91.0 | 92.0 | 93.8 | 94.2 | 95.6 | 96.6 | 96.7 | 98.4 | 98.5 | 98.8 | 98.8 |
| GE 200 | 70.5 | 84.1 | 86.6 | 87.9 | 89.9 | 91.0 | 92.0 | 93.9 | 94.3 | 95.7 | 96.7 | 96.9 | 99.1 | 99.3 | 99.6 | 99.6 |
| GE 100 | 70.5 | 84.1 | 86.6 | 87.9 | 89.9 | 91.0 | 92.0 | 93.9 | 94.3 | 95.8 | 96.9 | 97.0 | 99.2 | 99.4 | 99.8 | 99.9 |
| GE 0 | 70.5 | 84.1 | 86.6 | 87.9 | 89.9 | 91.0 | 92.0 | 93.9 | 94.3 | 95.8 | 96.9 | 97.0 | 99.2 | 99.4 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH
USAF/ETC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(IST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 47.3 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | |
| GE 20000 | 52.9 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | |
| GE 18000 | 52.9 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | |
| GE 16000 | 52.9 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | |
| GE 14000 | 53.2 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | |
| GE 12000 | 54.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | |
| GE 10000 | 57.1 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | |
| GE 9000 | 57.1 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | |
| GE 8000 | 59.9 | 66.4 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | |
| GE 7000 | 59.9 | 66.6 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | |
| GE 6000 | 60.5 | 67.7 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | |
| GE 5000 | 61.0 | 69.0 | 69.4 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | |
| GE 4500 | 61.6 | 70.3 | 70.7 | 70.9 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | |
| GE 4000 | 63.8 | 74.4 | 74.8 | 75.0 | 75.3 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | |
| GE 3500 | 64.9 | 75.9 | 76.3 | 76.4 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | |
| GE 3000 | 66.0 | 78.7 | 79.4 | 79.6 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | |
| GE 2500 | 66.6 | 80.7 | 81.4 | 81.6 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | |
| GE 2000 | 67.9 | 82.9 | 84.0 | 84.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | |
| GE 1800 | 67.9 | 82.9 | 84.0 | 84.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | |
| GE 1500 | 68.1 | 83.5 | 84.8 | 85.7 | 87.0 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | |
| GE 1200 | 68.1 | 83.7 | 85.2 | 86.1 | 87.4 | 87.4 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1000 | 68.1 | 83.7 | 85.2 | 86.1 | 87.8 | 87.9 | 88.3 | 88.5 | 88.5 | 88.5 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | |
| GE 900 | 68.1 | 83.7 | 85.2 | 86.1 | 87.8 | 87.9 | 88.3 | 88.5 | 88.5 | 88.7 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | |
| GE 800 | 68.1 | 83.9 | 85.7 | 86.6 | 88.5 | 88.9 | 89.6 | 90.2 | 90.2 | 90.4 | 90.9 | 90.9 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 700 | 68.1 | 84.2 | 86.5 | 87.4 | 89.2 | 89.6 | 90.4 | 91.1 | 91.1 | 91.5 | 92.0 | 92.0 | 92.4 | 92.4 | 92.6 | 92.6 | |
| GE 600 | 68.1 | 84.6 | 86.8 | 87.8 | 89.6 | 90.0 | 91.3 | 92.2 | 92.2 | 92.9 | 93.5 | 93.5 | 93.9 | 94.1 | 94.2 | 94.2 | |
| GE 500 | 68.1 | 84.8 | 87.0 | 88.1 | 90.0 | 90.4 | 92.0 | 92.9 | 92.9 | 93.7 | 94.4 | 94.4 | 95.4 | 95.5 | 95.7 | 95.7 | |
| GE 400 | 68.1 | 84.8 | 87.0 | 88.1 | 90.0 | 90.4 | 92.0 | 93.3 | 93.3 | 94.4 | 95.4 | 95.4 | 97.0 | 97.4 | 98.1 | 98.1 | |
| GE 300 | 68.1 | 84.8 | 87.0 | 88.1 | 90.0 | 90.4 | 92.2 | 93.9 | 93.9 | 95.0 | 95.9 | 95.9 | 97.6 | 98.0 | 99.1 | 99.3 | |
| GE 200 | 68.1 | 84.8 | 87.0 | 88.1 | 90.0 | 90.4 | 92.2 | 93.9 | 93.9 | 95.0 | 95.9 | 95.9 | 97.8 | 98.1 | 99.3 | 99.8 | |
| GE 100 | 68.1 | 84.8 | 87.0 | 88.1 | 90.0 | 90.4 | 92.2 | 93.9 | 93.9 | 95.0 | 95.9 | 95.9 | 96.1 | 98.0 | 98.3 | 99.6 | |
| GE 0 | 68.1 | 84.8 | 87.0 | 88.1 | 90.0 | 90.4 | 92.2 | 93.9 | 93.9 | 95.0 | 95.9 | 96.1 | 98.0 | 98.3 | 99.6 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 539

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(IST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 41.0 | 43.8 | 44.2 | 44.2 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.8 | |
| GE 20000 | 47.1 | 50.9 | 51.3 | 51.3 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.9 | |
| GE 18000 | 47.3 | 51.2 | 51.6 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.1 | |
| GE 16000 | 47.3 | 51.2 | 51.6 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.1 | |
| GE 14000 | 47.9 | 51.7 | 52.1 | 52.1 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.7 | |
| GE 12000 | 48.9 | 53.4 | 53.8 | 53.8 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.2 | 54.2 | 54.2 | 54.3 | |
| GE 10000 | 50.7 | 56.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.9 | |
| GE 9000 | 51.2 | 57.2 | 58.0 | 58.0 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.7 | |
| GE 8000 | 55.0 | 61.5 | 63.3 | 63.3 | 63.7 | 63.7 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 | |
| GE 7000 | 56.3 | 63.0 | 64.7 | 64.7 | 65.1 | 65.1 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.7 | 65.7 | 65.7 | 65.8 | |
| GE 6000 | 57.0 | 64.1 | 65.8 | 65.8 | 66.2 | 66.2 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.8 | 66.8 | 66.8 | 66.9 | |
| GE 5000 | 58.2 | 66.0 | 67.8 | 68.0 | 68.4 | 68.4 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 69.0 | |
| GE 4500 | 58.6 | 66.8 | 68.6 | 68.9 | 69.3 | 69.3 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 70.0 | |
| GE 4000 | 60.7 | 69.3 | 71.2 | 71.4 | 72.0 | 72.0 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.8 | |
| GE 3500 | 62.3 | 71.6 | 73.6 | 74.1 | 74.7 | 74.7 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.5 | |
| GE 3000 | 64.2 | 74.0 | 76.1 | 76.8 | 77.3 | 77.6 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.6 | |
| GE 2500 | 64.5 | 74.9 | 77.2 | 77.9 | 78.7 | 79.1 | 79.5 | 79.8 | 79.8 | 79.9 | 79.9 | 80.0 | 80.2 | 80.2 | 80.2 | 80.3 | |
| GE 2000 | 64.9 | 76.1 | 78.4 | 79.2 | 80.0 | 80.6 | 81.0 | 81.2 | 81.2 | 81.4 | 81.4 | 81.6 | 81.8 | 81.8 | 81.8 | 81.9 | |
| GE 1800 | 64.9 | 76.4 | 78.7 | 79.5 | 80.3 | 80.8 | 81.2 | 81.5 | 81.5 | 81.6 | 81.6 | 81.9 | 82.0 | 82.0 | 82.0 | 82.2 | |
| GE 1500 | 65.3 | 77.6 | 80.3 | 81.1 | 81.9 | 82.6 | 83.0 | 83.2 | 83.4 | 83.5 | 83.5 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | |
| GE 1200 | 65.5 | 78.7 | 81.4 | 82.3 | 83.1 | 83.8 | 84.3 | 85.1 | 85.3 | 85.4 | 85.4 | 85.7 | 85.8 | 85.8 | 85.8 | 85.9 | |
| GE 1000 | 65.8 | 79.6 | 82.4 | 83.4 | 84.5 | 85.1 | 85.7 | 86.6 | 86.7 | 86.9 | 86.9 | 87.1 | 87.3 | 87.3 | 87.3 | 87.4 | |
| GE 900 | 65.8 | 80.2 | 83.0 | 84.0 | 85.1 | 85.9 | 86.6 | 87.9 | 88.1 | 88.2 | 88.2 | 88.5 | 88.6 | 88.6 | 88.6 | 88.7 | |
| GE 800 | 65.8 | 80.7 | 83.8 | 85.0 | 86.3 | 87.0 | 87.9 | 89.3 | 89.4 | 89.5 | 89.5 | 89.8 | 89.9 | 89.9 | 89.9 | 90.1 | |
| GE 700 | 65.8 | 80.8 | 84.2 | 85.4 | 86.9 | 87.5 | 88.6 | 89.9 | 90.1 | 90.2 | 90.2 | 90.5 | 90.6 | 90.6 | 90.6 | 90.8 | |
| GE 600 | 65.8 | 81.0 | 84.3 | 85.7 | 87.3 | 87.9 | 89.4 | 90.9 | 91.0 | 91.2 | 91.2 | 91.4 | 91.6 | 91.6 | 91.6 | 91.7 | |
| GE 500 | 65.8 | 81.0 | 84.6 | 86.1 | 88.1 | 88.7 | 91.2 | 92.8 | 93.0 | 93.6 | 93.7 | 94.0 | 94.1 | 94.1 | 94.1 | 94.2 | |
| GE 400 | 65.8 | 81.0 | 84.6 | 86.1 | 88.6 | 89.4 | 92.2 | 94.0 | 94.2 | 95.0 | 95.2 | 95.4 | 95.6 | 95.6 | 95.7 | 95.8 | |
| GE 300 | 65.8 | 81.1 | 84.7 | 86.2 | 89.8 | 90.6 | 93.8 | 95.6 | 96.0 | 97.1 | 97.2 | 97.5 | 97.9 | 97.9 | 98.0 | 98.5 | |
| GE 200 | 65.8 | 81.1 | 84.7 | 86.2 | 89.8 | 90.8 | 94.1 | 95.8 | 96.4 | 97.5 | 97.7 | 98.0 | 98.4 | 98.4 | 98.5 | 99.2 | |
| GE 100 | 65.8 | 81.1 | 84.7 | 86.2 | 89.8 | 90.8 | 94.1 | 95.8 | 96.4 | 97.5 | 97.7 | 98.0 | 98.4 | 98.5 | 98.9 | 99.6 | |
| GE 0 | 65.8 | 81.1 | 84.7 | 86.2 | 89.8 | 90.8 | 94.1 | 95.8 | 96.4 | 97.5 | 97.7 | 98.0 | 98.4 | 98.5 | 98.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 746

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LST): 0900-1100

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN FEET | GE 1 | GE 3 | GE 5 | GE 7 | GE 9 | GE 11 | GE 13 | GE 15 | GE 17 | GE 19 | GE 21 | GE 23 | GE 25 | GE 27 | GE 29 | GE 31 |
| NO CEIL | 42.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| GE 20000 | 47.9 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| GE 18000 | 48.1 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 16000 | 48.1 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 14000 | 48.9 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 12000 | 49.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| GE 10000 | 51.8 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 9000 | 52.3 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 8000 | 55.7 | 60.3 | 60.4 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 7000 | 56.3 | 61.0 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 6000 | 56.4 | 61.2 | 61.4 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 5000 | 57.3 | 63.0 | 63.4 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 4500 | 58.2 | 64.4 | 64.8 | 65.3 | 65.4 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 4000 | 61.2 | 67.9 | 68.6 | 69.1 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 3500 | 64.5 | 71.9 | 72.7 | 73.2 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 3000 | 67.3 | 75.8 | 76.7 | 77.2 | 77.5 | 77.6 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 2500 | 68.6 | 78.5 | 79.5 | 80.1 | 80.3 | 80.4 | 80.5 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 2000 | 69.9 | 80.2 | 81.7 | 82.4 | 82.6 | 82.7 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 1800 | 70.2 | 80.7 | 82.1 | 82.9 | 83.2 | 83.3 | 83.4 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 1500 | 70.6 | 81.9 | 84.0 | 84.9 | 85.6 | 86.2 | 86.3 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 1200 | 70.8 | 82.6 | 84.6 | 85.6 | 86.6 | 87.3 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 1000 | 70.9 | 83.6 | 86.0 | 87.0 | 88.1 | 88.7 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 900 | 70.9 | 84.2 | 86.7 | 87.7 | 89.1 | 89.8 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 800 | 70.9 | 84.6 | 87.4 | 88.4 | 90.0 | 90.7 | 91.2 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 700 | 70.9 | 85.1 | 87.8 | 89.0 | 90.2 | 91.6 | 92.2 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 600 | 70.9 | 85.1 | 87.9 | 89.2 | 91.5 | 92.4 | 93.3 | 94.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 500 | 70.9 | 85.4 | 88.6 | 89.9 | 92.8 | 93.9 | 95.0 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 400 | 70.9 | 85.4 | 88.7 | 90.0 | 93.7 | 94.8 | 96.1 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 300 | 70.9 | 85.4 | 88.9 | 90.1 | 93.9 | 94.9 | 96.6 | 98.3 | 98.6 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 70.9 | 85.4 | 88.9 | 90.1 | 93.9 | 94.9 | 96.6 | 98.3 | 98.6 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 70.9 | 85.4 | 88.9 | 90.1 | 93.9 | 94.9 | 96.6 | 98.3 | 98.6 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 70.9 | 85.4 | 88.9 | 90.1 | 93.9 | 94.9 | 96.6 | 98.3 | 98.6 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|-------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|--|
| IN FEET | 1 | GE 10 | GE 4 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 38.4 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | | |
| GE 20000 | 44.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | | |
| GE 18000 | 45.0 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | | |
| GE 16000 | 45.0 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | | |
| GE 14000 | 45.8 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | | |
| GE 12000 | 46.8 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | | |
| GE 10000 | 49.4 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | | |
| GE 9000 | 49.5 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | | |
| GE 8000 | 52.6 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | | |
| GE 7000 | 53.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | | |
| GE 6000 | 53.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | | |
| GE 5000 | 55.7 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | | |
| GE 4500 | 56.1 | 60.7 | 61.0 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | | |
| GE 4000 | 61.7 | 66.3 | 66.7 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | | |
| GE 3500 | 67.1 | 72.3 | 73.0 | 73.4 | 73.5 | 73.5 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | | |
| GE 3000 | 72.0 | 78.7 | 79.9 | 80.5 | 80.6 | 80.6 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | | |
| GE 2500 | 73.2 | 81.1 | 82.4 | 83.0 | 83.1 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | | |
| GE 2000 | 74.5 | 83.4 | 85.1 | 85.7 | 85.8 | 85.8 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | | |
| GE 1800 | 74.5 | 83.6 | 85.3 | 85.8 | 85.9 | 85.9 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | | |
| GE 1500 | 74.9 | 85.0 | 87.6 | 88.2 | 88.5 | 88.5 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | | |
| GE 1200 | 74.9 | 86.1 | 88.8 | 89.7 | 90.1 | 90.1 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | | |
| GE 1000 | 75.1 | 87.0 | 89.8 | 90.9 | 91.5 | 91.5 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | | |
| GE 900 | 75.2 | 87.4 | 90.2 | 91.4 | 92.0 | 92.0 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | | |
| GE 800 | 75.5 | 88.0 | 90.8 | 92.2 | 92.9 | 92.9 | 93.2 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | | |
| GE 700 | 75.5 | 88.2 | 91.2 | 92.6 | 93.8 | 93.8 | 94.1 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | | |
| GE 600 | 75.5 | 88.2 | 91.2 | 92.6 | 93.9 | 93.9 | 94.6 | 94.9 | 95.0 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | | |
| GE 500 | 75.5 | 88.3 | 91.3 | 92.9 | 94.6 | 94.6 | 95.6 | 96.4 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | | |
| GE 400 | 75.5 | 88.4 | 91.4 | 93.0 | 95.2 | 95.2 | 96.6 | 97.4 | 97.6 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | | |
| GE 300 | 75.5 | 88.4 | 91.4 | 93.1 | 95.4 | 95.4 | 96.8 | 97.7 | 98.0 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | | |
| GE 200 | 75.5 | 88.4 | 91.4 | 93.1 | 95.4 | 95.4 | 96.8 | 97.8 | 98.1 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | | |
| GE 100 | 75.5 | 88.4 | 91.4 | 93.1 | 95.4 | 95.4 | 96.8 | 97.8 | 98.1 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | | |
| GE 0 | 75.5 | 88.4 | 91.4 | 93.1 | 95.4 | 95.4 | 96.8 | 97.8 | 98.1 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | | |

TOTAL NUMBER OF OBSERVATIONS: 842

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LSI): 1500-1700

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LST): 1800-2000

MONTH: APR HOURS (LST): 1800-2000

TOTAL NUMBER OF OBSERVATIONS: 507

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84

MONTH: MAY - HOURS(LST): 0600-0800

CEILING

VISIBILITY IN STATUTE MILES

| IN FEET | GE 10 | GE 8 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/8 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|----------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| NO CEIL | 38.2 | 44.8 | 46.3 | 46.9 | 47.5 | 47.8 | 48.5 | 48.5 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 |
| GE 20000 | 42.8 | 50.8 | 52.8 | 53.6 | 54.2 | 54.6 | 55.3 | 55.3 | 55.8 | 55.5 | 55.9 | 55.9 | 56.0 | 56.0 | 56.1 | 56.2 |
| GE 18000 | 42.8 | 50.8 | 52.8 | 53.6 | 54.2 | 54.6 | 55.3 | 55.3 | 55.8 | 55.5 | 55.9 | 55.9 | 56.0 | 56.0 | 56.1 | 56.2 |
| GE 16000 | 43.2 | 51.3 | 53.3 | 54.1 | 54.6 | 55.1 | 55.8 | 55.8 | 55.9 | 56.0 | 56.3 | 56.3 | 56.4 | 56.4 | 56.5 | 56.6 |
| GE 14000 | 43.9 | 52.8 | 54.9 | 55.2 | 55.8 | 56.2 | 56.9 | 57.0 | 57.1 | 57.8 | 57.4 | 57.4 | 57.5 | 57.5 | 57.7 | 57.8 |
| GE 12000 | 44.7 | 53.9 | 56.1 | 56.9 | 57.4 | 57.9 | 58.7 | 58.7 | 58.8 | 58.9 | 59.2 | 59.2 | 59.3 | 59.3 | 59.4 | 59.6 |
| GE 10000 | 45.9 | 56.1 | 58.3 | 59.3 | 60.0 | 60.6 | 61.3 | 61.3 | 61.5 | 61.6 | 61.9 | 61.9 | 62.0 | 62.0 | 62.1 | 62.2 |
| GE 9000 | 46.1 | 56.4 | 58.7 | 59.7 | 60.3 | 60.9 | 61.7 | 61.7 | 61.8 | 61.9 | 62.2 | 62.2 | 62.3 | 62.3 | 62.5 | 62.6 |
| GE 8000 | 49.2 | 60.7 | 63.0 | 64.1 | 64.8 | 65.4 | 66.3 | 66.3 | 66.4 | 66.5 | 66.8 | 66.8 | 67.0 | 67.0 | 67.3 | 67.4 |
| GE 7000 | 50.9 | 62.0 | 64.4 | 65.5 | 66.1 | 66.7 | 67.7 | 67.7 | 67.8 | 67.9 | 68.3 | 68.3 | 68.5 | 68.5 | 68.7 | 68.8 |
| GE 6000 | 50.5 | 62.3 | 64.8 | 66.0 | 66.7 | 67.6 | 68.6 | 68.6 | 68.7 | 68.8 | 69.2 | 69.2 | 69.4 | 69.4 | 69.6 | 69.7 |
| GE 5000 | 51.2 | 63.5 | 65.9 | 67.3 | 68.2 | 69.1 | 70.2 | 70.2 | 70.3 | 70.4 | 70.7 | 70.7 | 71.1 | 71.1 | 71.3 | 71.4 |
| GE 4500 | 52.1 | 64.8 | 67.3 | 68.6 | 69.6 | 70.5 | 71.6 | 71.6 | 71.7 | 71.8 | 72.2 | 72.2 | 72.5 | 72.5 | 72.7 | 72.8 |
| GE 4000 | 52.3 | 65.1 | 67.7 | 69.1 | 70.2 | 71.1 | 72.2 | 72.2 | 72.3 | 72.4 | 72.7 | 72.7 | 73.1 | 73.1 | 73.3 | 73.4 |
| GE 3500 | 53.1 | 66.6 | 69.3 | 70.6 | 71.7 | 72.8 | 73.7 | 73.7 | 73.9 | 74.0 | 74.3 | 74.3 | 74.6 | 74.6 | 74.9 | 75.0 |
| GE 3000 | 53.7 | 67.7 | 70.6 | 72.0 | 73.2 | 74.1 | 75.2 | 75.2 | 75.4 | 75.6 | 76.2 | 76.2 | 76.5 | 76.5 | 76.8 | 76.9 |
| GE 2500 | 54.5 | 69.7 | 72.7 | 74.1 | 75.3 | 76.2 | 77.3 | 77.3 | 77.5 | 77.8 | 78.3 | 78.3 | 78.7 | 78.7 | 78.9 | 79.0 |
| GE 2000 | 54.6 | 70.1 | 73.2 | 74.6 | 75.9 | 76.8 | 77.9 | 77.9 | 78.1 | 78.3 | 79.0 | 79.0 | 79.3 | 79.3 | 79.6 | 79.7 |
| GE 1800 | 55.0 | 70.4 | 73.5 | 75.0 | 76.2 | 77.1 | 78.2 | 78.2 | 78.4 | 78.7 | 79.3 | 79.3 | 79.7 | 79.7 | 79.9 | 80.0 |
| GE 1500 | 55.5 | 71.4 | 74.6 | 76.2 | 77.5 | 78.5 | 79.6 | 79.6 | 80.2 | 80.4 | 81.1 | 81.1 | 81.5 | 81.5 | 81.7 | 81.8 |
| GE 1200 | 55.6 | 72.1 | 75.3 | 76.9 | 78.5 | 79.6 | 80.8 | 80.9 | 81.5 | 81.7 | 82.3 | 82.3 | 82.7 | 82.7 | 82.9 | 83.0 |
| GE 1000 | 55.9 | 73.0 | 76.2 | 77.9 | 79.9 | 80.9 | 82.1 | 82.2 | 82.8 | 83.0 | 83.7 | 83.7 | 84.0 | 84.0 | 84.2 | 84.4 |
| GE 900 | 56.0 | 73.5 | 76.8 | 78.5 | 80.8 | 81.8 | 83.0 | 83.2 | 83.8 | 84.0 | 84.7 | 84.7 | 85.0 | 85.0 | 85.3 | 85.4 |
| GE 800 | 56.0 | 73.9 | 77.4 | 79.4 | 81.7 | 82.7 | 84.0 | 84.6 | 85.3 | 85.5 | 86.1 | 86.1 | 86.5 | 86.5 | 86.7 | 86.8 |
| GE 700 | 56.0 | 73.9 | 77.9 | 80.0 | 82.5 | 83.8 | 85.9 | 87.2 | 87.8 | 88.0 | 88.7 | 88.7 | 89.1 | 89.1 | 89.3 | 89.5 |
| GE 600 | 56.0 | 73.9 | 77.9 | 80.0 | 82.8 | 84.1 | 86.6 | 87.9 | 88.6 | 88.9 | 89.6 | 89.6 | 89.9 | 89.9 | 90.3 | 90.4 |
| GE 500 | 56.0 | 74.2 | 78.2 | 80.3 | 83.2 | 84.7 | 87.7 | 89.5 | 90.2 | 91.1 | 91.8 | 91.8 | 92.4 | 92.4 | 92.7 | 92.8 |
| GE 400 | 56.0 | 74.2 | 78.2 | 80.4 | 83.7 | 85.1 | 88.4 | 90.4 | 91.6 | 93.6 | 94.7 | 94.7 | 95.3 | 95.3 | 95.6 | 95.8 |
| GE 300 | 56.0 | 74.2 | 78.3 | 80.6 | 84.1 | 85.9 | 89.5 | 92.0 | 93.2 | 95.6 | 97.2 | 97.3 | 98.0 | 98.0 | 98.3 | 98.4 |
| GE 200 | 56.0 | 74.2 | 78.3 | 80.6 | 84.1 | 85.9 | 89.5 | 92.1 | 93.3 | 95.9 | 97.5 | 97.8 | 98.8 | 98.8 | 99.6 | 99.8 |
| GE 100 | 56.0 | 74.2 | 78.3 | 80.6 | 84.1 | 85.9 | 89.5 | 92.1 | 93.3 | 95.9 | 97.5 | 97.8 | 98.8 | 99.0 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-------------------------------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 40.4 | 46.9 | 47.3 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | |
| GE 20000 | 47.3 | 56.0 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | |
| GE 18000 | 47.4 | 56.2 | 56.5 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | |
| GE 16000 | 47.5 | 56.3 | 56.6 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | |
| GE 14000 | 48.2 | 57.1 | 57.4 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | |
| GE 12000 | 48.6 | 58.3 | 58.6 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | |
| GE 10000 | 49.5 | 60.2 | 60.5 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | |
| GE 9000 | 49.7 | 60.5 | 60.9 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | |
| GE 8000 | 51.5 | 63.7 | 64.0 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | |
| GE 7000 | 52.0 | 64.5 | 64.9 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | |
| GE 6000 | 52.2 | 65.1 | 65.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | |
| GE 5000 | 53.2 | 66.7 | 67.0 | 67.7 | 67.8 | 67.8 | 67.9 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | |
| GE 4500 | 54.0 | 67.6 | 67.9 | 68.6 | 68.7 | 68.7 | 68.8 | 68.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | |
| GE 4000 | 56.3 | 70.3 | 70.7 | 71.3 | 71.5 | 71.5 | 71.6 | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | |
| GE 3500 | 59.2 | 74.4 | 74.8 | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | |
| GE 3000 | 60.0 | 75.9 | 76.7 | 77.9 | 78.1 | 78.3 | 78.5 | 78.6 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | |
| GE 2500 | 60.8 | 77.8 | 78.6 | 79.8 | 80.2 | 80.4 | 80.6 | 80.7 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | |
| GE 2000 | 61.3 | 78.8 | 79.6 | 80.9 | 81.3 | 81.5 | 81.7 | 81.8 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | |
| GE 1800 | 61.4 | 78.9 | 79.7 | 81.0 | 81.4 | 81.6 | 81.8 | 81.9 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | |
| GE 1500 | 62.0 | 80.7 | 82.1 | 83.6 | 84.2 | 84.6 | 84.9 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | |
| GE 1200 | 62.2 | 82.3 | 83.9 | 85.8 | 86.4 | 86.8 | 87.2 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | |
| GE 1000 | 62.2 | 82.7 | 84.6 | 87.0 | 87.8 | 88.4 | 89.1 | 89.3 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | |
| GE 900 | 62.2 | 82.8 | 84.7 | 87.1 | 88.0 | 88.6 | 89.5 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | |
| GE 800 | 62.2 | 82.9 | 84.9 | 87.8 | 89.0 | 89.9 | 91.0 | 91.4 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | |
| GE 700 | 62.2 | 83.1 | 85.2 | 88.1 | 89.5 | 90.4 | 91.9 | 92.5 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | |
| GE 600 | 62.2 | 83.1 | 85.3 | 88.4 | 90.0 | 90.9 | 92.3 | 93.6 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.4 | 94.4 | |
| GE 500 | 62.2 | 83.2 | 85.4 | 88.7 | 91.1 | 92.0 | 94.2 | 96.1 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 | |
| GE 400 | 62.2 | 83.2 | 85.4 | 88.7 | 91.2 | 92.3 | 94.9 | 97.3 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | |
| GE 300 | 62.2 | 83.2 | 85.4 | 88.9 | 91.3 | 92.4 | 95.0 | 97.5 | 98.3 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | |
| GE 200 | 62.2 | 83.2 | 85.4 | 88.9 | 91.3 | 92.4 | 95.0 | 98.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | |
| GE 100 | 62.2 | 83.2 | 85.4 | 88.9 | 91.3 | 92.4 | 95.0 | 98.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.9 | 100.0 | |
| GE 0 | 62.2 | 83.2 | 85.4 | 88.9 | 91.3 | 92.4 | 95.0 | 98.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.9 | 100.0 | |
| TOTAL NUMBER OF OBSERVATIONS: | | 897 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(IST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 |
| NO CEIL | 38.3 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| GE 20000 | 45.4 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| GE 18000 | 45.6 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 16000 | 45.6 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 14000 | 46.1 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| GE 12000 | 47.5 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 10000 | 50.3 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 9000 | 50.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 8000 | 52.2 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 7000 | 52.6 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 6000 | 53.2 | 65.0 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 5000 | 53.9 | 65.9 | 66.2 | 66.6 | 66.7 | 66.8 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 4500 | 54.7 | 66.8 | 67.1 | 67.4 | 67.6 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 4000 | 57.4 | 70.2 | 70.6 | 70.9 | 71.0 | 71.1 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 3500 | 61.5 | 76.1 | 76.6 | 77.0 | 77.1 | 77.2 | 77.2 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 3000 | 62.6 | 79.3 | 80.1 | 80.8 | 81.2 | 81.3 | 81.3 | 81.3 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 2500 | 63.9 | 81.3 | 82.1 | 82.9 | 83.4 | 83.6 | 83.6 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 2000 | 64.4 | 82.7 | 83.4 | 84.2 | 85.0 | 85.1 | 85.1 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 1800 | 64.4 | 82.8 | 83.6 | 84.3 | 85.1 | 85.2 | 85.2 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 1500 | 64.4 | 84.5 | 85.5 | 86.2 | 87.0 | 87.1 | 87.1 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1200 | 64.4 | 85.6 | 86.8 | 88.0 | 88.9 | 89.0 | 89.0 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1000 | 64.4 | 86.2 | 87.9 | 89.3 | 90.3 | 90.4 | 90.6 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 900 | 64.4 | 86.4 | 88.1 | 89.4 | 91.1 | 91.2 | 91.6 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 800 | 64.4 | 86.6 | 88.5 | 90.5 | 92.1 | 92.6 | 93.6 | 94.2 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 700 | 64.4 | 86.8 | 88.9 | 90.9 | 92.7 | 93.3 | 94.4 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 600 | 64.4 | 86.8 | 89.3 | 91.6 | 94.0 | 94.6 | 96.0 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 500 | 64.4 | 87.1 | 89.7 | 92.4 | 95.5 | 96.2 | 97.8 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 |
| GE 400 | 64.4 | 87.1 | 89.7 | 92.4 | 95.5 | 96.3 | 98.1 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 300 | 64.4 | 87.1 | 89.7 | 92.4 | 95.5 | 96.3 | 98.1 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 200 | 64.4 | 87.1 | 89.7 | 92.4 | 95.5 | 96.3 | 98.1 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 100 | 64.4 | 87.1 | 89.7 | 92.4 | 95.5 | 96.3 | 98.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 0 | 64.4 | 87.1 | 89.7 | 92.4 | 95.5 | 96.3 | 98.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 899

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS/ST: 1500-1700

VISIBILITY IN STATUTE MILES

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF/ATC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(IST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|
| IN | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| FEET | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 |
| NO CEIL | 38.3 | 43.9 | 43.9 | 44.1 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| GE 20000 | 44.6 | 51.7 | 51.7 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| GE 18000 | 45.1 | 52.2 | 52.4 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| GE 16000 | 45.6 | 52.7 | 52.9 | 53.4 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 14000 | 46.3 | 55.1 | 55.6 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 12000 | 46.3 | 55.1 | 55.6 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 10000 | 49.8 | 59.0 | 59.5 | 60.2 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 9000 | 50.2 | 59.8 | 60.2 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 8000 | 53.9 | 64.4 | 65.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 7000 | 54.9 | 66.3 | 67.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 6000 | 56.1 | 67.8 | 68.8 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 5000 | 58.3 | 71.0 | 72.0 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 4500 | 59.5 | 72.2 | 73.2 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 4000 | 62.0 | 75.1 | 76.1 | 78.0 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 3500 | 62.9 | 77.1 | 78.3 | 80.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 3000 | 64.4 | 79.8 | 81.0 | 82.9 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 2500 | 64.9 | 81.2 | 82.4 | 84.4 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 2000 | 65.1 | 82.0 | 83.7 | 85.6 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1800 | 65.1 | 82.0 | 83.7 | 85.6 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1500 | 65.1 | 82.9 | 85.9 | 87.8 | 89.3 | 89.3 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1200 | 65.1 | 83.9 | 87.6 | 89.8 | 91.2 | 91.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 1000 | 65.1 | 84.1 | 88.0 | 90.2 | 91.7 | 91.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 900 | 65.1 | 84.1 | 88.0 | 90.5 | 92.0 | 92.0 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 800 | 65.1 | 84.6 | 88.8 | 91.2 | 92.7 | 92.7 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 700 | 65.1 | 84.6 | 88.8 | 91.2 | 93.2 | 93.2 | 94.6 | 94.9 | 95.1 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 600 | 65.1 | 84.6 | 88.8 | 91.2 | 93.2 | 93.2 | 94.6 | 95.1 | 95.4 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 500 | 65.1 | 84.6 | 88.8 | 91.2 | 93.2 | 93.2 | 94.9 | 95.4 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 400 | 65.1 | 84.6 | 89.0 | 91.7 | 93.9 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 300 | 65.1 | 84.6 | 89.0 | 91.7 | 93.9 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 200 | 65.1 | 84.6 | 89.0 | 91.7 | 93.9 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 100 | 65.1 | 84.6 | 89.0 | 91.7 | 93.9 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 0 | 65.1 | 84.6 | 89.0 | 91.7 | 93.9 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |

TOTAL NUMBER OF OBSERVATIONS: 410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(1ST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 38.7 | 40.9 | 51.6 | 52.2 | 54.6 | 54.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | |
| GE 20000 | 40.8 | 52.1 | 55.2 | 56.1 | 58.8 | 58.9 | 60.0 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | |
| GE 18000 | 40.9 | 52.3 | 55.4 | 56.3 | 59.2 | 59.3 | 60.4 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | |
| GE 16000 | 40.9 | 52.3 | 55.4 | 56.3 | 59.2 | 59.3 | 60.4 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | |
| GE 14000 | 41.2 | 52.6 | 55.9 | 56.9 | 59.8 | 59.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | |
| GE 12000 | 41.7 | 53.4 | 56.7 | 57.7 | 60.8 | 60.9 | 62.0 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | |
| GE 10000 | 42.9 | 56.4 | 60.0 | 61.2 | 64.4 | 64.9 | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | |
| GE 9000 | 43.8 | 57.3 | 60.9 | 62.1 | 65.3 | 65.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | |
| GE 8000 | 45.3 | 59.9 | 64.0 | 65.7 | 69.1 | 69.7 | 70.9 | 71.0 | 71.1 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | |
| GE 7000 | 45.5 | 60.4 | 64.5 | 66.2 | 69.7 | 70.2 | 71.5 | 71.6 | 71.7 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | |
| GE 6000 | 45.5 | 61.2 | 65.3 | 67.0 | 70.5 | 71.0 | 72.4 | 72.5 | 72.6 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | |
| GE 5000 | 45.6 | 62.4 | 66.9 | 68.8 | 72.2 | 72.8 | 74.5 | 74.6 | 74.7 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.3 | 75.3 | |
| GE 4500 | 45.8 | 62.7 | 67.1 | 69.1 | 72.6 | 73.1 | 74.8 | 74.9 | 75.0 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | |
| GE 4000 | 45.9 | 63.3 | 67.8 | 70.0 | 73.6 | 74.1 | 75.8 | 75.9 | 76.1 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 77.0 | 77.0 | |
| GE 3500 | 47.0 | 64.8 | 69.3 | 71.6 | 75.1 | 75.7 | 77.4 | 77.5 | 77.7 | 78.3 | 78.4 | 78.4 | 78.5 | 78.5 | 78.8 | 78.8 | |
| GE 3000 | 47.7 | 65.9 | 71.0 | 73.8 | 77.6 | 78.1 | 79.8 | 79.9 | 80.2 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 81.3 | 81.3 | |
| GE 2500 | 48.0 | 66.8 | 71.9 | 74.7 | 78.6 | 79.2 | 80.8 | 80.9 | 81.2 | 81.7 | 81.8 | 81.8 | 81.9 | 81.9 | 82.3 | 82.3 | |
| GE 2000 | 48.2 | 68.0 | 73.2 | 76.0 | 79.9 | 80.5 | 82.2 | 82.3 | 82.5 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.6 | 83.6 | |
| GE 1800 | 48.2 | 68.0 | 73.2 | 76.0 | 79.9 | 80.5 | 82.2 | 82.3 | 82.5 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.6 | 83.6 | |
| GE 1500 | 48.2 | 68.7 | 74.2 | 77.1 | 81.4 | 82.1 | 83.7 | 83.9 | 84.2 | 84.7 | 84.8 | 84.8 | 84.9 | 85.1 | 85.4 | 85.4 | |
| GE 1200 | 48.2 | 69.0 | 74.9 | 77.9 | 82.5 | 83.3 | 84.9 | 85.2 | 85.8 | 86.1 | 86.2 | 86.2 | 86.3 | 86.4 | 86.7 | 86.7 | |
| GE 1000 | 48.2 | 69.2 | 75.5 | 79.0 | 84.1 | 84.9 | 86.7 | 87.0 | 87.2 | 87.8 | 88.0 | 88.0 | 88.2 | 88.3 | 88.6 | 88.6 | |
| GE 900 | 48.3 | 69.3 | 75.6 | 79.4 | 84.4 | 85.3 | 87.1 | 87.3 | 87.5 | 88.2 | 88.3 | 88.3 | 88.7 | 88.9 | 89.2 | 89.2 | |
| GE 800 | 48.4 | 70.0 | 76.3 | 80.3 | 85.6 | 86.6 | 88.4 | 88.6 | 88.9 | 89.7 | 89.9 | 90.0 | 90.4 | 90.5 | 90.9 | 90.9 | |
| GE 700 | 48.4 | 70.2 | 76.8 | 80.9 | 86.3 | 87.3 | 89.5 | 89.9 | 90.2 | 91.1 | 91.2 | 91.4 | 91.9 | 92.0 | 92.3 | 92.3 | |
| GE 600 | 48.4 | 70.5 | 77.3 | 81.4 | 86.8 | 88.1 | 90.7 | 91.3 | 91.9 | 92.9 | 93.1 | 93.3 | 93.8 | 93.9 | 94.2 | 94.2 | |
| GE 500 | 48.4 | 70.5 | 77.3 | 81.5 | 87.2 | 88.5 | 92.0 | 92.5 | 93.2 | 94.9 | 95.1 | 95.3 | 95.8 | 95.9 | 96.4 | 96.4 | |
| GE 400 | 48.4 | 70.5 | 77.3 | 81.5 | 87.3 | 88.7 | 92.3 | 92.9 | 93.6 | 95.7 | 95.9 | 96.1 | 96.7 | 96.8 | 97.3 | 97.3 | |
| GE 300 | 48.4 | 70.5 | 77.3 | 81.5 | 87.4 | 89.0 | 92.6 | 93.8 | 94.6 | 96.8 | 97.1 | 97.3 | 97.9 | 98.1 | 98.8 | 98.8 | |
| GE 200 | 48.4 | 70.5 | 77.3 | 81.5 | 87.4 | 89.0 | 92.6 | 94.1 | 95.0 | 97.2 | 97.7 | 97.9 | 98.6 | 98.8 | 99.8 | 99.8 | |
| GE 100 | 48.4 | 70.5 | 77.3 | 81.5 | 87.4 | 89.0 | 92.6 | 94.1 | 95.0 | 97.2 | 97.7 | 97.9 | 98.6 | 99.0 | 99.8 | 100.0 | |
| GE 0 | 48.4 | 70.5 | 77.3 | 81.5 | 87.4 | 89.0 | 92.6 | 94.1 | 95.0 | 97.2 | 97.7 | 97.9 | 98.6 | 99.0 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS: 0800-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|------------|-----------|------------|-----------|---------|---------|---------|
| | GE 10 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/8 | GE 1 | GE 3/8 | GE 5/16 | GE 1/2 | GE 5/16 | GE 1/8 | GE 0 | GE 0 | GE 0 |
| NO CEIL | 40.6 | 50.7 | 52.0 | 52.3 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| GE 20000 | 43.6 | 55.3 | 57.0 | 57.4 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 18000 | 43.7 | 55.4 | 57.1 | 57.6 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 16000 | 43.7 | 55.4 | 57.1 | 57.6 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 14000 | 44.9 | 56.2 | 58.0 | 58.4 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 12000 | 45.1 | 57.4 | 59.2 | 59.7 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 10000 | 47.3 | 60.8 | 62.7 | 63.1 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 9000 | 47.3 | 60.9 | 62.8 | 63.2 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 8000 | 49.6 | 64.3 | 66.9 | 67.8 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 7000 | 50.2 | 65.7 | 68.2 | 69.1 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 6000 | 50.3 | 66.2 | 68.9 | 69.8 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 5000 | 50.7 | 67.4 | 70.4 | 71.3 | 73.4 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 4500 | 50.9 | 67.9 | 70.9 | 71.8 | 73.9 | 73.9 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 4000 | 51.9 | 69.4 | 72.9 | 73.8 | 75.9 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 3500 | 53.0 | 71.1 | 74.8 | 75.7 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 3000 | 55.4 | 75.3 | 79.3 | 80.6 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 2500 | 55.9 | 76.7 | 80.7 | 81.9 | 84.2 | 84.2 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 2000 | 56.2 | 78.3 | 82.3 | 83.8 | 86.1 | 86.1 | 86.8 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1800 | 56.4 | 78.7 | 82.7 | 84.1 | 86.7 | 86.7 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1500 | 56.9 | 80.0 | 84.0 | 85.7 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 1200 | 56.9 | 81.0 | 85.2 | 87.3 | 90.2 | 90.3 | 91.0 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1000 | 56.9 | 81.8 | 86.1 | 88.7 | 91.8 | 92.0 | 92.9 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 900 | 56.9 | 81.9 | 86.4 | 89.2 | 92.1 | 92.6 | 93.9 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 800 | 56.9 | 82.0 | 86.8 | 89.6 | 93.0 | 93.2 | 94.6 | 94.8 | 94.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 700 | 56.9 | 82.0 | 87.0 | 89.9 | 93.7 | 94.0 | 95.6 | 95.9 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 600 | 56.9 | 82.0 | 87.2 | 90.1 | 94.3 | 95.1 | 96.7 | 97.0 | 97.0 | 97.7 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 500 | 56.9 | 82.0 | 87.2 | 90.1 | 94.4 | 95.6 | 97.4 | 97.8 | 97.8 | 98.6 | 98.7 | 98.8 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 |
| GE 400 | 56.9 | 82.0 | 87.2 | 90.1 | 94.6 | 95.7 | 97.6 | 98.1 | 98.1 | 98.9 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 300 | 56.9 | 82.0 | 87.2 | 90.1 | 94.6 | 95.7 | 97.6 | 98.1 | 98.1 | 99.0 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 200 | 56.9 | 82.0 | 87.2 | 90.1 | 94.6 | 95.7 | 97.6 | 98.1 | 98.1 | 99.0 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 100 | 56.9 | 82.0 | 87.2 | 90.1 | 94.6 | 95.7 | 97.6 | 98.1 | 98.1 | 99.0 | 99.2 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 0 | 56.9 | 82.0 | 87.2 | 90.1 | 94.6 | 95.7 | 97.6 | 98.1 | 98.1 | 99.0 | 99.2 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(IST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 36.4 | 46.6 | 47.8 | 48.3 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| GE 20000 | 40.9 | 52.9 | 54.3 | 54.9 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 18000 | 41.1 | 53.1 | 54.6 | 55.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 16000 | 41.1 | 53.1 | 54.6 | 55.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 14000 | 42.0 | 54.3 | 55.8 | 56.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| GE 12000 | 42.4 | 55.3 | 56.8 | 57.3 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| GE 10000 | 44.4 | 58.0 | 59.4 | 60.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 9000 | 48.6 | 58.2 | 59.7 | 60.2 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 8000 | 46.4 | 61.1 | 63.2 | 64.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 7000 | 47.8 | 62.6 | 64.7 | 65.7 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 6000 | 47.8 | 62.6 | 64.7 | 65.7 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 5000 | 49.7 | 65.4 | 67.7 | 68.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 4500 | 50.0 | 66.6 | 68.8 | 69.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 4000 | 52.4 | 70.4 | 72.9 | 74.2 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 3500 | 55.1 | 73.7 | 76.6 | 78.1 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 3000 | 59.0 | 79.3 | 83.2 | 85.8 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 2500 | 59.8 | 80.9 | 84.8 | 87.4 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 2000 | 60.1 | 81.8 | 85.8 | 88.6 | 90.3 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 1800 | 60.2 | 81.9 | 85.9 | 88.8 | 90.6 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 1500 | 60.2 | 82.8 | 87.0 | 90.0 | 91.9 | 92.0 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 1200 | 60.4 | 84.2 | 88.9 | 92.1 | 94.1 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 1000 | 60.4 | 84.9 | 89.6 | 92.8 | 94.9 | 95.1 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 |
| GE 900 | 60.4 | 85.2 | 90.0 | 93.4 | 95.6 | 95.9 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 |
| GE 800 | 60.4 | 85.4 | 90.3 | 93.8 | 96.1 | 96.8 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 |
| GE 700 | 60.4 | 85.4 | 90.3 | 94.0 | 96.3 | 97.0 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.9 |
| GE 500 | 60.4 | 85.4 | 90.3 | 94.0 | 96.4 | 97.2 | 98.3 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 |
| GE 400 | 60.4 | 85.4 | 90.3 | 94.1 | 96.6 | 97.6 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 |
| GE 300 | 60.4 | 85.4 | 90.7 | 94.3 | 97.0 | 97.8 | 98.9 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |
| GE 200 | 60.4 | 85.4 | 90.7 | 94.3 | 97.0 | 97.8 | 98.9 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |
| GE 100 | 60.4 | 85.4 | 90.7 | 94.3 | 97.0 | 97.8 | 98.9 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |
| GE 0 | 60.4 | 85.4 | 90.7 | 94.3 | 97.0 | 97.8 | 98.9 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 36.7 | 46.6 | 48.7 | 49.8 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| GE 20000 | 42.7 | 55.5 | 57.9 | 59.0 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 18000 | 42.8 | 55.6 | 58.0 | 59.1 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 16000 | 42.8 | 55.6 | 58.0 | 59.1 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 14000 | 43.0 | 55.8 | 58.2 | 59.3 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 12000 | 44.8 | 58.0 | 60.4 | 61.8 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 10000 | 47.2 | 61.6 | 64.2 | 65.6 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 9000 | 48.7 | 63.0 | 65.6 | 67.2 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 8000 | 51.1 | 67.6 | 70.9 | 72.5 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 7000 | 51.6 | 68.3 | 71.6 | 73.1 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 6000 | 51.7 | 68.4 | 71.7 | 73.3 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 5000 | 53.9 | 71.5 | 74.7 | 76.3 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 4500 | 54.5 | 72.0 | 75.3 | 76.9 | 77.6 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 4000 | 55.6 | 74.7 | 78.1 | 80.0 | 80.9 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 3500 | 56.7 | 76.4 | 79.8 | 81.8 | 83.1 | 83.3 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 3000 | 59.9 | 80.7 | 84.3 | 86.9 | 88.3 | 88.4 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 2500 | 60.4 | 82.1 | 86.1 | 88.7 | 90.1 | 90.2 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 2000 | 60.7 | 82.9 | 87.1 | 89.7 | 91.1 | 91.3 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 1800 | 60.7 | 82.9 | 87.1 | 89.7 | 91.1 | 91.3 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 1500 | 60.9 | 83.9 | 88.7 | 91.2 | 92.9 | 93.1 | 93.5 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 1200 | 61.0 | 84.7 | 89.6 | 92.2 | 94.0 | 94.3 | 94.8 | 95.2 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1000 | 61.1 | 84.8 | 89.8 | 92.6 | 94.8 | 95.1 | 96.0 | 96.5 | 96.7 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 900 | 61.1 | 84.8 | 89.8 | 92.6 | 95.1 | 95.3 | 96.5 | 97.1 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 800 | 61.1 | 84.8 | 89.8 | 92.6 | 95.3 | 95.5 | 96.9 | 97.4 | 97.6 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 700 | 61.1 | 85.2 | 90.1 | 93.1 | 95.7 | 96.0 | 97.3 | 97.9 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 600 | 61.1 | 85.2 | 90.1 | 93.1 | 95.8 | 96.1 | 97.6 | 98.2 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | 61.1 | 85.2 | 90.1 | 93.1 | 95.8 | 96.1 | 98.0 | 98.5 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 400 | 61.1 | 85.2 | 90.2 | 93.5 | 96.2 | 96.4 | 98.4 | 99.0 | 99.3 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 61.1 | 85.2 | 90.2 | 93.5 | 96.2 | 96.4 | 98.4 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 61.1 | 85.2 | 90.2 | 93.5 | 96.2 | 96.4 | 98.4 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 61.1 | 85.2 | 90.2 | 93.5 | 96.2 | 96.4 | 98.4 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 61.1 | 85.2 | 90.2 | 93.5 | 96.2 | 96.4 | 98.4 | 99.0 | 99.3 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 39.7 | 49.9 | 52.2 | 52.7 | 53.3 | 53.3 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | |
| GE 20000 | 47.3 | 60.5 | 63.3 | 64.2 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | |
| GE 18000 | 47.3 | 60.5 | 63.3 | 64.2 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | |
| GE 16000 | 47.8 | 61.0 | 63.7 | 64.7 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | |
| GE 14000 | 47.8 | 61.0 | 63.7 | 64.7 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | |
| GE 12000 | 49.4 | 62.8 | 65.8 | 66.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | |
| GE 10000 | 52.2 | 67.0 | 70.2 | 71.1 | 72.1 | 72.1 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | |
| GE 9000 | 52.4 | 67.7 | 70.9 | 71.8 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | |
| GE 8000 | 55.2 | 72.1 | 75.5 | 76.4 | 77.6 | 77.6 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | |
| GE 7000 | 55.7 | 72.5 | 76.0 | 76.9 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | |
| GE 6000 | 56.1 | 73.2 | 76.7 | 77.6 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | |
| GE 5000 | 57.5 | 74.8 | 78.3 | 79.2 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | |
| GE 4500 | 58.4 | 75.8 | 79.2 | 80.1 | 81.5 | 81.5 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | |
| GE 4000 | 59.4 | 76.1 | 81.8 | 83.1 | 84.5 | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | |
| GE 3500 | 61.2 | 81.3 | 85.5 | 86.8 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | |
| GE 3000 | 62.4 | 82.9 | 87.5 | 88.9 | 90.8 | 90.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | |
| GE 2500 | 62.6 | 83.4 | 88.2 | 89.6 | 91.5 | 91.5 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | |
| GE 2000 | 62.6 | 84.3 | 89.1 | 90.5 | 92.4 | 92.4 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | |
| GE 1800 | 62.6 | 84.3 | 89.1 | 90.5 | 92.4 | 92.4 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | |
| GE 1500 | 62.8 | 84.8 | 89.6 | 91.0 | 93.1 | 93.1 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | |
| GE 1200 | 62.8 | 85.0 | 90.1 | 91.7 | 94.5 | 94.5 | 95.2 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | |
| GE 1000 | 62.8 | 85.7 | 90.8 | 92.6 | 95.6 | 95.6 | 96.5 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | |
| GE 900 | 62.8 | 85.9 | 91.0 | 93.1 | 96.3 | 96.3 | 97.2 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | |
| GE 800 | 62.8 | 85.9 | 91.0 | 93.1 | 96.5 | 96.5 | 97.5 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | |
| GE 700 | 62.8 | 85.9 | 91.0 | 93.1 | 96.5 | 96.5 | 97.5 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | |
| GE 600 | 62.8 | 85.9 | 91.2 | 93.3 | 97.0 | 97.0 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | |
| GE 500 | 62.8 | 85.9 | 91.2 | 93.5 | 97.2 | 97.2 | 98.6 | 98.8 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | |
| GE 400 | 62.8 | 85.9 | 91.5 | 93.8 | 97.5 | 97.7 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 62.8 | 85.9 | 91.5 | 93.8 | 97.5 | 97.7 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 62.8 | 85.9 | 91.5 | 93.8 | 97.5 | 97.7 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 62.8 | 85.9 | 91.5 | 93.8 | 97.5 | 97.7 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 62.8 | 85.9 | 91.5 | 93.8 | 97.5 | 97.7 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 433

GLOBAL CLIMATOLOGY BRANCH
USAF/ATC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS: 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 35.1 | 45.5 | 48.8 | 52.4 | 55.5 | 55.8 | 56.7 | 57.3 | 57.3 | 57.7 | 58.1 | 58.1 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 20000 | 37.6 | 49.9 | 53.9 | 57.5 | 60.8 | 61.1 | 62.1 | 62.7 | 62.7 | 63.1 | 63.5 | 63.5 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 18000 | 37.7 | 50.0 | 54.1 | 57.7 | 61.0 | 61.3 | 62.3 | 62.9 | 62.9 | 63.3 | 63.7 | 63.7 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 16000 | 37.7 | 50.0 | 54.1 | 57.7 | 61.0 | 61.3 | 62.3 | 62.9 | 62.9 | 63.3 | 63.7 | 63.7 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 14000 | 37.9 | 50.2 | 54.4 | 58.0 | 61.2 | 61.5 | 62.6 | 63.1 | 63.1 | 63.6 | 63.9 | 63.9 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 12000 | 38.7 | 52.0 | 56.3 | 59.9 | 63.1 | 63.5 | 64.6 | 65.1 | 65.1 | 65.6 | 65.9 | 65.9 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 10000 | 41.6 | 56.5 | 61.0 | 65.0 | 68.3 | 68.9 | 70.1 | 70.6 | 70.6 | 71.1 | 71.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 9000 | 41.6 | 56.8 | 61.3 | 65.4 | 68.6 | 69.3 | 70.4 | 71.0 | 71.0 | 71.4 | 71.7 | 71.7 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 8000 | 42.6 | 59.4 | 64.6 | 68.8 | 72.3 | 73.2 | 74.7 | 75.4 | 75.4 | 75.9 | 76.2 | 76.2 | 76.9 | 76.9 | 77.0 | 77.0 |
| GE 7000 | 43.0 | 59.9 | 65.2 | 69.5 | 73.0 | 73.9 | 75.3 | 76.1 | 76.1 | 76.6 | 76.9 | 76.9 | 77.6 | 77.6 | 77.7 | 77.7 |
| GE 6000 | 43.5 | 60.3 | 65.7 | 70.0 | 73.4 | 74.3 | 75.8 | 76.6 | 76.6 | 77.0 | 77.4 | 77.4 | 78.0 | 78.0 | 78.1 | 78.1 |
| GE 5000 | 44.3 | 61.5 | 67.2 | 71.7 | 75.2 | 76.1 | 77.8 | 78.7 | 78.7 | 79.1 | 79.5 | 79.5 | 80.2 | 80.2 | 80.3 | 80.3 |
| GE 4500 | 44.4 | 62.0 | 67.6 | 72.3 | 75.8 | 76.7 | 78.4 | 79.3 | 79.3 | 79.7 | 80.0 | 80.0 | 80.7 | 80.7 | 80.8 | 80.8 |
| GE 4000 | 45.0 | 63.3 | 69.2 | 74.1 | 77.7 | 78.6 | 80.5 | 81.4 | 81.4 | 81.8 | 82.2 | 82.2 | 82.8 | 82.8 | 83.0 | 83.0 |
| GE 3500 | 45.1 | 63.4 | 69.4 | 74.4 | 78.4 | 79.3 | 81.2 | 82.1 | 82.1 | 82.5 | 82.8 | 82.8 | 83.5 | 83.5 | 83.6 | 83.6 |
| GE 3000 | 45.5 | 64.8 | 71.2 | 76.1 | 79.8 | 80.7 | 82.6 | 83.5 | 83.5 | 84.0 | 84.3 | 84.3 | 85.0 | 85.0 | 85.3 | 85.3 |
| GE 2500 | 45.6 | 64.9 | 71.3 | 76.6 | 80.3 | 81.2 | 83.1 | 84.1 | 84.1 | 84.5 | 84.9 | 84.9 | 85.5 | 85.5 | 85.9 | 85.9 |
| GE 2000 | 46.1 | 65.6 | 72.1 | 77.7 | 81.5 | 82.4 | 84.4 | 85.5 | 85.5 | 86.0 | 86.4 | 86.4 | 87.1 | 87.1 | 87.4 | 87.4 |
| GE 1800 | 46.1 | 65.6 | 72.1 | 77.7 | 81.5 | 82.4 | 84.4 | 85.7 | 85.7 | 86.1 | 86.5 | 86.5 | 87.2 | 87.2 | 87.6 | 87.6 |
| GE 1500 | 46.4 | 66.6 | 73.1 | 78.7 | 83.0 | 83.9 | 86.2 | 87.3 | 87.3 | 87.9 | 88.3 | 88.3 | 89.0 | 89.0 | 89.3 | 89.3 |
| GE 1200 | 46.5 | 67.0 | 73.8 | 79.5 | 83.9 | 84.8 | 87.2 | 88.3 | 88.3 | 88.9 | 89.3 | 89.3 | 90.0 | 90.0 | 90.4 | 90.4 |
| GE 1000 | 46.5 | 67.3 | 74.1 | 79.9 | 84.4 | 85.3 | 87.8 | 89.3 | 89.5 | 90.1 | 90.6 | 90.6 | 91.3 | 91.3 | 91.6 | 91.6 |
| GE 900 | 46.6 | 67.4 | 74.2 | 80.1 | 84.8 | 85.7 | 88.2 | 89.8 | 90.1 | 90.8 | 91.3 | 91.3 | 91.9 | 91.9 | 92.3 | 92.3 |
| GE 800 | 46.6 | 67.5 | 74.3 | 80.4 | 85.3 | 86.2 | 89.0 | 90.6 | 90.9 | 91.6 | 92.0 | 92.0 | 92.7 | 92.7 | 93.0 | 93.0 |
| GE 700 | 46.6 | 67.5 | 74.3 | 80.4 | 85.5 | 86.4 | 89.9 | 91.6 | 92.0 | 92.7 | 93.2 | 93.2 | 93.8 | 93.8 | 94.2 | 94.2 |
| GE 600 | 46.6 | 67.6 | 74.4 | 80.5 | 85.7 | 86.5 | 90.1 | 92.2 | 92.6 | 93.4 | 93.9 | 93.9 | 94.7 | 94.7 | 95.1 | 95.1 |
| GE 500 | 46.6 | 67.6 | 74.4 | 80.5 | 85.7 | 86.7 | 90.4 | 92.6 | 93.0 | 93.9 | 94.5 | 94.5 | 95.3 | 95.3 | 95.6 | 95.6 |
| GE 400 | 46.6 | 67.6 | 74.4 | 80.5 | 85.7 | 86.8 | 90.5 | 93.0 | 93.7 | 94.6 | 95.2 | 95.2 | 96.0 | 96.0 | 96.9 | 96.9 |
| GE 300 | 46.6 | 67.6 | 74.4 | 80.5 | 85.8 | 86.9 | 90.6 | 93.3 | 93.9 | 95.2 | 95.7 | 95.7 | 97.0 | 97.1 | 98.1 | 98.1 |
| GE 200 | 46.6 | 67.6 | 74.4 | 80.5 | 85.8 | 86.9 | 90.7 | 93.4 | 94.3 | 95.7 | 96.6 | 96.6 | 98.1 | 98.2 | 99.4 | 99.4 |
| GE 100 | 46.6 | 67.6 | 74.4 | 80.5 | 85.8 | 86.9 | 90.7 | 93.4 | 94.3 | 95.7 | 96.6 | 96.6 | 98.1 | 98.2 | 99.4 | 100.0 |
| GE 01 | 46.6 | 67.6 | 74.4 | 80.5 | 85.8 | 86.9 | 90.7 | 93.4 | 94.3 | 95.7 | 96.6 | 96.6 | 98.1 | 98.2 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(IST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN | FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | 38.4 | 50.3 | 54.2 | 57.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | |
| GE 20000 | 42.8 | 56.6 | 61.5 | 64.4 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | |
| GE 18000 | 42.9 | 56.7 | 61.6 | 64.5 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 16000 | 42.9 | 56.7 | 61.6 | 64.5 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 14000 | 43.0 | 57.0 | 61.9 | 64.8 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | |
| GE 12000 | 44.1 | 59.3 | 64.2 | 67.2 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | |
| GE 10000 | 46.2 | 63.9 | 68.8 | 72.1 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | |
| GE 9000 | 46.5 | 64.3 | 69.3 | 72.7 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | |
| GE 8000 | 47.4 | 66.6 | 72.0 | 75.5 | 77.3 | 77.3 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | |
| GE 7000 | 47.6 | 67.1 | 72.9 | 76.4 | 78.1 | 78.1 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | |
| GE 6000 | 47.7 | 67.2 | 73.2 | 76.8 | 78.7 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | |
| GE 5000 | 48.7 | 68.2 | 74.2 | 77.9 | 79.8 | 79.8 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | |
| GE 4500 | 48.8 | 68.9 | 75.3 | 78.9 | 80.8 | 80.8 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | |
| GE 4000 | 49.6 | 70.0 | 76.5 | 80.3 | 82.2 | 82.2 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | |
| GE 3500 | 50.9 | 71.5 | 77.9 | 81.8 | 83.7 | 83.7 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | |
| GE 3000 | 50.7 | 73.0 | 79.6 | 83.5 | 85.5 | 85.5 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | |
| GE 2500 | 51.2 | 73.8 | 80.5 | 84.8 | 87.0 | 87.0 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | |
| GE 2000 | 51.8 | 74.7 | 81.5 | 86.0 | 88.5 | 88.5 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | |
| GE 1800 | 51.6 | 74.9 | 81.8 | 86.3 | 88.9 | 89.0 | 89.7 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | |
| GE 1500 | 51.7 | 75.7 | 82.7 | 87.5 | 90.2 | 90.3 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | |
| GE 1200 | 52.0 | 76.7 | 83.9 | 89.0 | 92.0 | 92.3 | 93.2 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | |
| GE 1000 | 52.1 | 77.1 | 84.7 | 90.4 | 93.6 | 94.2 | 95.2 | 95.7 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | |
| GE 900 | 52.1 | 77.4 | 85.1 | 90.7 | 94.1 | 94.6 | 95.7 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | |
| GE 800 | 52.1 | 77.4 | 85.1 | 90.9 | 94.5 | 95.1 | 96.1 | 96.7 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 700 | 52.1 | 77.4 | 85.1 | 90.9 | 94.9 | 95.5 | 96.7 | 97.2 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | |
| GE 600 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 95.8 | 97.0 | 97.7 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | |
| GE 500 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 96.0 | 97.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | |
| GE 400 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 96.0 | 97.5 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 300 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 96.0 | 97.7 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 200 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 96.0 | 97.7 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 100 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 96.0 | 97.7 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | |
| GE 0 | 52.1 | 77.5 | 85.2 | 91.0 | 95.1 | 96.0 | 97.7 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(1ST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|----|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 3/8 | 0 | |
| NO CEIL | 37.1 | 50.2 | 52.7 | 54.4 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | |
| GE 20000 | 43.5 | 57.8 | 60.9 | 62.8 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | |
| GE 18000 | 43.6 | 57.9 | 61.0 | 62.9 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | |
| GE 16000 | 43.6 | 57.9 | 61.0 | 62.9 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | |
| GE 14000 | 43.8 | 58.3 | 61.6 | 63.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | |
| GE 12000 | 45.6 | 61.5 | 65.0 | 67.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | |
| GE 10000 | 47.7 | 66.3 | 70.2 | 72.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | |
| GE 9000 | 48.0 | 67.2 | 71.1 | 73.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | |
| GE 8000 | 48.9 | 68.8 | 73.2 | 75.4 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | |
| GE 7000 | 48.9 | 69.1 | 73.5 | 75.8 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | |
| GE 6000 | 49.4 | 69.5 | 74.0 | 76.2 | 77.8 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | |
| GE 5000 | 49.7 | 70.5 | 75.4 | 77.7 | 79.4 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | |
| GE 4500 | 49.8 | 70.8 | 75.8 | 78.0 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | |
| GE 4000 | 51.6 | 73.6 | 79.1 | 81.3 | 83.5 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | |
| GE 3500 | 54.0 | 77.0 | 82.8 | 85.1 | 87.4 | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | |
| GE 3000 | 55.6 | 79.9 | 86.5 | 89.1 | 91.5 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | |
| GE 2500 | 55.8 | 80.1 | 87.3 | 89.8 | 92.4 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | |
| GE 2000 | 56.1 | 81.1 | 88.4 | 91.2 | 91.9 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | |
| GE 1800 | 56.2 | 81.3 | 88.6 | 91.4 | 94.1 | 94.2 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | |
| GE 1500 | 56.3 | 81.9 | 89.2 | 92.0 | 94.9 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | |
| GE 1200 | 56.3 | 81.9 | 89.3 | 92.2 | 95.1 | 95.3 | 96.0 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | |
| GE 1000 | 56.3 | 82.1 | 89.6 | 92.6 | 95.8 | 96.2 | 96.9 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 900 | 56.3 | 82.1 | 89.6 | 92.6 | 95.8 | 96.2 | 96.9 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| GE 800 | 56.3 | 82.2 | 89.8 | 92.8 | 96.0 | 96.4 | 97.1 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | |
| GE 700 | 56.3 | 82.3 | 89.9 | 93.5 | 96.6 | 97.1 | 98.0 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | |
| GE 600 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.7 | 98.8 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 500 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.9 | 99.1 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 400 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.9 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.9 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.9 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.9 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 56.3 | 82.6 | 90.2 | 94.0 | 97.2 | 97.9 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 1500-1700

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.6 | 52.2 | 55.1 | 56.4 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 20000 | 44.2 | 60.7 | 64.7 | 66.4 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 18000 | 44.3 | 60.8 | 64.8 | 66.5 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 16000 | 44.4 | 60.9 | 64.9 | 66.6 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 14000 | 44.8 | 61.4 | 65.3 | 67.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 12000 | 46.6 | 63.9 | 67.8 | 69.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 10000 | 49.1 | 68.9 | 72.8 | 74.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 9000 | 49.7 | 69.7 | 73.8 | 75.5 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 8000 | 52.3 | 73.4 | 78.2 | 80.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 7000 | 52.6 | 74.0 | 78.8 | 80.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 6000 | 53.4 | 74.8 | 79.5 | 81.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 5000 | 53.9 | 75.3 | 80.7 | 83.0 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 4500 | 54.2 | 75.8 | 81.5 | 83.8 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 4000 | 55.0 | 77.0 | 83.0 | 85.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 3500 | 56.7 | 79.1 | 85.3 | 87.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 3000 | 58.1 | 81.6 | 88.3 | 91.1 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 2500 | 58.1 | 81.6 | 88.6 | 91.5 | 93.6 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 2000 | 58.1 | 82.3 | 89.3 | 92.2 | 94.8 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 1800 | 58.1 | 82.3 | 89.3 | 92.2 | 94.8 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 1500 | 58.1 | 82.3 | 89.3 | 92.2 | 95.2 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1200 | 58.1 | 82.5 | 89.9 | 93.0 | 96.0 | 96.1 | 96.4 | 96.4 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1000 | 58.1 | 82.6 | 90.0 | 93.2 | 96.4 | 96.5 | 96.7 | 96.7 | 96.8 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 900 | 58.1 | 82.7 | 90.1 | 93.3 | 96.5 | 96.6 | 96.8 | 96.8 | 96.9 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 800 | 58.1 | 82.7 | 90.1 | 93.3 | 96.6 | 96.7 | 96.9 | 96.9 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 700 | 58.1 | 82.7 | 90.1 | 93.3 | 96.8 | 96.9 | 97.2 | 97.3 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 600 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 97.8 | 98.2 | 98.4 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 97.8 | 98.4 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 98.0 | 98.5 | 98.9 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 98.1 | 98.8 | 99.2 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 98.1 | 98.8 | 99.2 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 98.1 | 98.8 | 99.2 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 58.1 | 83.1 | 90.7 | 93.9 | 97.5 | 98.1 | 98.8 | 99.2 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: AND

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS: 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/8 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 36.9 | 50.4 | 52.2 | 54.1 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 20000 | 44.9 | 61.9 | 64.5 | 66.9 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| GE 18000 | 44.9 | 62.2 | 65.0 | 67.4 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 16000 | 44.9 | 62.2 | 65.0 | 67.4 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 14000 | 45.4 | 62.6 | 65.5 | 68.1 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 12000 | 47.5 | 66.9 | 69.7 | 72.3 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 10000 | 49.6 | 71.6 | 74.5 | 77.1 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 9000 | 50.4 | 72.6 | 75.7 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 8000 | 52.7 | 75.9 | 80.1 | 82.7 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 7000 | 53.8 | 76.6 | 80.9 | 83.7 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 6000 | 53.7 | 76.8 | 81.1 | 84.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 5000 | 54.1 | 77.3 | 81.6 | 84.6 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 4500 | 54.6 | 78.3 | 82.7 | 85.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 4000 | 55.1 | 78.7 | 83.5 | 86.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 3500 | 55.3 | 79.0 | 83.9 | 87.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 3000 | 55.8 | 80.1 | 85.8 | 90.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 2500 | 55.8 | 81.1 | 87.2 | 92.4 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 2000 | 55.8 | 81.3 | 87.7 | 92.9 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 1800 | 55.8 | 81.3 | 87.7 | 92.9 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 1500 | 55.8 | 81.3 | 87.7 | 92.9 | 96.2 | 96.2 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 1200 | 55.8 | 81.6 | 88.2 | 93.4 | 96.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1000 | 55.8 | 81.8 | 88.4 | 93.9 | 97.2 | 97.2 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 900 | 55.8 | 81.8 | 88.4 | 93.9 | 97.2 | 97.2 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 800 | 55.8 | 81.8 | 88.4 | 93.9 | 97.2 | 97.2 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 700 | 55.8 | 81.8 | 88.4 | 93.9 | 97.2 | 97.2 | 97.2 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 600 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.1 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.1 | 98.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.1 | 98.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.6 | 98.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.6 | 98.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.6 | 98.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 55.8 | 82.0 | 88.7 | 94.1 | 97.6 | 98.6 | 98.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS: 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 28.3 | 36.5 | 39.2 | 42.1 | 45.7 | 47.0 | 48.6 | 49.4 | 49.6 | 50.1 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4 | 50.5 | |
| GE 20000 | 30.3 | 39.4 | 43.0 | 47.0 | 51.5 | 52.9 | 54.8 | 55.7 | 55.9 | 56.4 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.8 | |
| GE 18000 | 30.3 | 39.4 | 43.1 | 47.1 | 51.6 | 53.0 | 54.9 | 55.8 | 56.0 | 56.5 | 56.6 | 56.6 | 56.8 | 56.8 | 56.8 | 56.9 | |
| GE 16000 | 30.3 | 39.4 | 43.1 | 47.1 | 51.6 | 53.0 | 54.9 | 55.8 | 56.0 | 56.5 | 56.6 | 56.6 | 56.8 | 56.8 | 56.8 | 56.9 | |
| GE 14000 | 30.4 | 39.6 | 43.3 | 47.4 | 51.9 | 53.3 | 55.3 | 56.1 | 56.8 | 56.8 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.2 | |
| GE 12000 | 31.4 | 41.3 | 45.4 | 49.7 | 54.6 | 56.4 | 58.4 | 59.4 | 59.6 | 60.2 | 60.3 | 60.3 | 60.6 | 60.6 | 60.6 | 60.8 | |
| GE 10000 | 33.8 | 44.4 | 48.9 | 53.3 | 58.6 | 60.4 | 63.0 | 64.0 | 64.2 | 64.7 | 64.8 | 64.8 | 65.3 | 65.3 | 65.3 | 65.5 | |
| GE 9000 | 34.5 | 45.1 | 50.1 | 54.7 | 60.0 | 61.8 | 64.4 | 65.5 | 65.7 | 66.3 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 67.1 | |
| GE 8000 | 36.2 | 47.3 | 52.3 | 57.1 | 62.9 | 64.6 | 67.3 | 68.5 | 68.7 | 69.5 | 69.6 | 69.6 | 70.1 | 70.1 | 70.1 | 70.4 | |
| GE 7000 | 37.7 | 49.0 | 54.0 | 58.7 | 64.6 | 66.3 | 69.1 | 70.2 | 70.5 | 71.2 | 71.3 | 71.3 | 72.0 | 72.0 | 72.0 | 72.2 | |
| GE 6000 | 37.8 | 49.1 | 54.1 | 58.8 | 64.7 | 66.4 | 69.5 | 70.8 | 71.0 | 71.8 | 71.9 | 71.9 | 72.5 | 72.5 | 72.5 | 72.7 | |
| GE 5000 | 38.7 | 49.9 | 55.2 | 60.0 | 66.2 | 68.0 | 71.0 | 72.3 | 72.5 | 73.3 | 73.4 | 73.4 | 74.0 | 74.0 | 74.0 | 74.3 | |
| GE 4500 | 38.9 | 50.4 | 55.6 | 60.5 | 66.7 | 68.4 | 71.4 | 72.9 | 73.1 | 73.8 | 73.9 | 73.9 | 74.6 | 74.6 | 74.6 | 74.8 | |
| GE 4000 | 39.4 | 50.9 | 56.6 | 61.6 | 67.9 | 69.6 | 72.6 | 74.4 | 74.7 | 75.6 | 75.8 | 75.8 | 76.5 | 76.5 | 76.5 | 76.8 | |
| GE 3500 | 39.4 | 51.1 | 57.3 | 62.5 | 69.1 | 70.8 | 73.9 | 75.7 | 76.0 | 76.9 | 77.1 | 77.1 | 77.9 | 77.9 | 77.9 | 78.1 | |
| GE 3000 | 39.5 | 51.5 | 58.0 | 63.3 | 70.2 | 72.0 | 75.4 | 77.2 | 77.5 | 78.4 | 78.6 | 78.6 | 79.4 | 79.4 | 79.6 | 79.8 | |
| GE 2500 | 39.5 | 51.9 | 58.4 | 64.0 | 71.0 | 72.7 | 76.1 | 78.1 | 78.4 | 79.3 | 79.5 | 79.5 | 80.2 | 80.2 | 80.5 | 80.7 | |
| GE 2000 | 39.7 | 52.4 | 59.2 | 64.9 | 72.1 | 73.8 | 77.3 | 79.3 | 79.7 | 80.6 | 80.8 | 80.8 | 81.5 | 81.5 | 81.8 | 82.0 | |
| GE 1800 | 39.7 | 52.4 | 59.2 | 64.9 | 72.1 | 73.8 | 77.4 | 79.4 | 79.8 | 80.7 | 80.9 | 80.9 | 81.7 | 81.7 | 81.9 | 82.1 | |
| GE 1500 | 40.0 | 52.9 | 59.8 | 65.8 | 73.1 | 74.9 | 78.6 | 80.7 | 81.1 | 82.2 | 82.4 | 82.4 | 83.2 | 83.2 | 83.4 | 83.6 | |
| GE 1200 | 40.1 | 53.4 | 60.4 | 66.6 | 74.0 | 75.9 | 79.7 | 81.8 | 82.2 | 83.3 | 83.5 | 83.5 | 84.3 | 84.3 | 84.5 | 84.7 | |
| GE 1000 | 40.1 | 53.6 | 60.7 | 67.2 | 74.8 | 76.7 | 81.1 | 83.6 | 84.1 | 85.2 | 85.4 | 85.5 | 86.3 | 86.3 | 86.5 | 86.8 | |
| GE 900 | 40.1 | 53.9 | 60.9 | 67.9 | 75.0 | 76.9 | 81.4 | 84.0 | 84.7 | 85.8 | 86.0 | 86.0 | 86.9 | 86.9 | 87.1 | 87.3 | |
| GE 800 | 40.1 | 54.1 | 61.1 | 67.6 | 75.4 | 77.2 | 81.8 | 84.5 | 85.3 | 86.4 | 86.6 | 86.6 | 87.5 | 87.5 | 87.7 | 87.9 | |
| GE 700 | 40.1 | 54.3 | 61.5 | 68.1 | 76.0 | 78.0 | 82.8 | 86.0 | 87.0 | 88.2 | 88.4 | 88.4 | 89.3 | 89.3 | 89.5 | 89.7 | |
| GE 600 | 40.1 | 54.4 | 61.6 | 68.3 | 76.4 | 78.8 | 84.0 | 87.2 | 88.2 | 89.4 | 89.6 | 89.6 | 90.4 | 90.4 | 90.7 | 90.9 | |
| GE 500 | 40.1 | 54.7 | 62.1 | 68.8 | 77.9 | 80.5 | 85.9 | 89.1 | 90.1 | 91.3 | 91.5 | 91.5 | 92.5 | 92.5 | 92.7 | 92.9 | |
| GE 400 | 40.1 | 54.8 | 62.2 | 69.3 | 78.5 | 81.0 | 87.1 | 90.8 | 91.7 | 93.6 | 94.0 | 94.1 | 95.3 | 95.3 | 95.7 | 95.9 | |
| GE 300 | 40.1 | 54.8 | 62.2 | 69.3 | 78.5 | 81.2 | 87.7 | 91.5 | 92.5 | 94.8 | 95.4 | 95.6 | 97.1 | 97.1 | 97.4 | 97.9 | |
| GE 200 | 40.1 | 54.8 | 62.2 | 69.3 | 78.5 | 81.2 | 87.7 | 91.5 | 92.5 | 94.8 | 95.5 | 95.7 | 97.7 | 97.7 | 98.6 | 99.7 | |
| GE 100 | 40.1 | 54.8 | 62.2 | 69.3 | 78.5 | 81.2 | 87.7 | 91.5 | 92.5 | 94.8 | 95.6 | 95.7 | 97.9 | 97.9 | 98.9 | 100.0 | |
| GE 0 | 40.1 | 54.8 | 62.2 | 69.3 | 78.5 | 81.2 | 87.7 | 91.5 | 92.5 | 94.8 | 95.5 | 95.7 | 97.9 | 97.9 | 98.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | | |
| NO CEIL | 30.3 | 42.9 | 47.6 | 49.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 20000 | 34.3 | 47.8 | 53.5 | 56.7 | 58.5 | 58.5 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 18000 | 34.4 | 48.1 | 53.8 | 56.9 | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 16000 | 34.4 | 48.1 | 53.8 | 56.9 | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 14000 | 34.4 | 48.2 | 53.9 | 57.0 | 58.8 | 58.8 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| GE 12000 | 35.4 | 49.9 | 55.9 | 59.4 | 61.2 | 61.2 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 10000 | 36.2 | 51.5 | 57.8 | 61.4 | 63.3 | 63.3 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 9000 | 37.0 | 52.6 | 59.0 | 62.6 | 64.5 | 64.5 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 8000 | 38.9 | 55.6 | 62.5 | 66.2 | 68.4 | 68.4 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 7000 | 39.6 | 56.3 | 63.2 | 67.0 | 69.1 | 69.1 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 6000 | 39.7 | 57.0 | 64.0 | 67.7 | 70.1 | 70.1 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 5000 | 41.1 | 58.4 | 65.9 | 69.9 | 72.4 | 72.4 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 4500 | 41.3 | 58.6 | 66.1 | 70.2 | 72.7 | 72.7 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 4000 | 42.0 | 59.9 | 67.6 | 72.0 | 74.6 | 74.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 3500 | 42.6 | 61.2 | 69.4 | 74.2 | 77.1 | 77.1 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 3000 | 43.7 | 62.7 | 71.3 | 76.3 | 79.6 | 79.6 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2500 | 43.9 | 63.7 | 72.3 | 77.7 | 81.2 | 81.2 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 2000 | 44.3 | 65.2 | 75.0 | 79.6 | 83.1 | 83.1 | 84.8 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1800 | 44.4 | 65.3 | 74.2 | 79.9 | 83.3 | 83.3 | 84.7 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1500 | 44.4 | 65.7 | 74.8 | 80.9 | 84.9 | 84.9 | 85.9 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 1200 | 44.5 | 66.2 | 75.5 | 81.9 | 85.7 | 85.7 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1000 | 44.5 | 66.5 | 76.0 | 82.6 | 86.8 | 86.8 | 87.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 900 | 44.5 | 66.5 | 76.1 | 82.8 | 87.1 | 87.1 | 87.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 800 | 44.5 | 66.7 | 76.6 | 83.7 | 88.2 | 88.2 | 88.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 700 | 44.5 | 66.9 | 77.1 | 84.6 | 89.2 | 89.2 | 89.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 600 | 44.5 | 67.1 | 77.6 | 85.4 | 90.1 | 90.1 | 90.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 500 | 44.5 | 67.4 | 78.1 | 85.9 | 91.1 | 91.1 | 92.0 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 400 | 44.5 | 67.4 | 78.1 | 86.1 | 91.8 | 91.8 | 92.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 300 | 44.5 | 67.6 | 78.3 | 86.3 | 92.0 | 92.0 | 93.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 200 | 44.5 | 67.6 | 78.3 | 86.3 | 92.0 | 92.0 | 93.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 100 | 44.5 | 67.6 | 78.3 | 86.3 | 92.0 | 92.0 | 93.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 0 | 44.5 | 67.6 | 78.3 | 86.3 | 92.0 | 92.0 | 93.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84

PERIOD OF RECORD: 19 54
MONTH: AUG HOURS (LST): 1200-1400

VISIBILITY IN STATUTE MILES

| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 32.3 | 44.0 | 46.4 | 47.6 | 48.2 | 48.2 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| GE 20000 | 35.6 | 49.9 | 53.2 | 54.9 | 55.5 | 55.5 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 18000 | 36.2 | 50.6 | 53.8 | 55.5 | 56.2 | 56.2 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| GE 16000 | 36.2 | 50.6 | 53.8 | 55.5 | 56.2 | 56.2 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| GE 14000 | 36.8 | 50.9 | 54.1 | 55.9 | 56.5 | 56.5 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| GE 12000 | 37.7 | 53.0 | 56.6 | 58.7 | 59.5 | 59.5 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| GE 10000 | 39.4 | 55.8 | 59.4 | 61.8 | 62.6 | 62.6 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 9000 | 39.8 | 56.3 | 60.0 | 62.3 | 63.2 | 63.2 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 8000 | 40.6 | 58.9 | 62.9 | 65.4 | 66.4 | 66.4 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 7000 | 41.2 | 60.1 | 64.0 | 66.6 | 67.6 | 67.6 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 6000 | 41.3 | 60.5 | 64.5 | 67.1 | 68.0 | 68.0 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 5000 | 42.2 | 61.8 | 66.3 | 69.2 | 70.3 | 70.3 | 70.4 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 4500 | 42.2 | 62.0 | 66.5 | 69.4 | 70.5 | 70.5 | 70.6 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 4000 | 44.5 | 65.6 | 70.5 | 73.4 | 75.0 | 75.0 | 75.1 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 3500 | 46.6 | 68.5 | 73.8 | 77.4 | 78.7 | 78.7 | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 3000 | 47.5 | 71.4 | 77.1 | 80.4 | 82.8 | 82.8 | 83.0 | 83.3 | 83.8 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 2500 | 48.0 | 72.9 | 78.9 | 82.7 | 84.8 | 84.8 | 85.0 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 2000 | 48.7 | 75.3 | 80.8 | 84.8 | 87.9 | 87.5 | 87.7 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 1800 | 48.7 | 74.3 | 80.9 | 84.9 | 87.6 | 87.7 | 87.9 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 1600 | 48.8 | 75.7 | 81.7 | 85.7 | 88.7 | 88.8 | 89.3 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 1200 | 48.9 | 75.5 | 82.8 | 87.3 | 90.9 | 91.0 | 91.6 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1000 | 48.9 | 75.8 | 83.4 | 88.1 | 92.4 | 92.5 | 93.2 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 900 | 49.0 | 75.9 | 83.6 | 88.2 | 92.7 | 92.8 | 93.6 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 800 | 49.1 | 76.5 | 84.5 | 89.3 | 93.9 | 94.0 | 94.8 | 95.4 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 700 | 49.1 | 76.7 | 84.8 | 89.7 | 94.2 | 94.3 | 95.3 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 600 | 49.1 | 76.9 | 84.9 | 90.0 | 94.7 | 94.8 | 95.9 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 500 | 49.1 | 77.0 | 85.3 | 90.4 | 95.6 | 95.7 | 97.1 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 400 | 49.2 | 77.1 | 85.5 | 91.0 | 96.8 | 96.7 | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 300 | 49.3 | 77.2 | 85.6 | 91.1 | 96.7 | 96.8 | 98.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 49.3 | 77.2 | 85.6 | 91.1 | 96.7 | 96.8 | 98.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 49.3 | 77.2 | 85.6 | 91.1 | 96.7 | 96.8 | 98.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 49.3 | 77.2 | 85.6 | 91.1 | 96.7 | 96.8 | 98.5 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS/STATION: 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/8 | 1 | 3/8 | 5/8 | 1/2 | 5/16 | 1/4 | | |
| NO CEIL | 33.4 | 46.3 | 48.3 | 49.1 | 49.9 | 49.9 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| GE 20000 | 38.8 | 54.4 | 57.3 | 58.4 | 59.5 | 59.6 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 18000 | 39.2 | 55.0 | 57.8 | 58.9 | 60.0 | 60.1 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 16000 | 39.2 | 55.0 | 57.8 | 58.9 | 60.0 | 60.1 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 14000 | 39.8 | 55.9 | 58.7 | 59.8 | 60.9 | 61.0 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 12000 | 41.0 | 57.6 | 60.5 | 61.6 | 62.7 | 62.8 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 10000 | 43.4 | 60.8 | 63.7 | 65.2 | 66.4 | 66.5 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 9000 | 43.4 | 61.1 | 64.1 | 65.5 | 66.8 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 8000 | 44.4 | 63.9 | 67.5 | 69.1 | 70.4 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 7000 | 44.8 | 64.6 | 68.2 | 70.1 | 71.4 | 71.5 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 6000 | 45.1 | 65.2 | 68.8 | 70.6 | 72.1 | 72.2 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 5000 | 46.4 | 67.1 | 70.9 | 72.9 | 74.7 | 74.8 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 4500 | 46.5 | 67.8 | 71.1 | 73.2 | 75.1 | 75.2 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 4000 | 47.9 | 69.7 | 73.6 | 76.1 | 78.6 | 78.6 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 3500 | 49.2 | 71.5 | 75.7 | 78.1 | 80.8 | 81.1 | 81.9 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 3000 | 49.6 | 73.7 | 78.1 | 81.5 | 84.7 | 85.0 | 86.3 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 2500 | 49.9 | 75.0 | 79.8 | 83.2 | 87.1 | 87.4 | 88.8 | 89.2 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 2000 | 49.9 | 75.8 | 80.7 | 84.2 | 88.1 | 88.8 | 90.0 | 90.4 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 1800 | 49.9 | 75.9 | 80.8 | 84.4 | 88.3 | 88.6 | 90.3 | 90.6 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 1500 | 50.1 | 76.5 | 81.4 | 85.1 | 89.3 | 89.6 | 91.2 | 91.7 | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1200 | 50.2 | 76.9 | 81.9 | 86.0 | 90.6 | 91.1 | 92.9 | 93.3 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1000 | 50.4 | 77.4 | 82.7 | 86.7 | 91.8 | 92.4 | 94.3 | 94.7 | 94.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 900 | 50.4 | 77.7 | 83.0 | 87.2 | 92.3 | 93.0 | 94.9 | 95.3 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 800 | 50.4 | 77.7 | 83.2 | 87.5 | 92.8 | 93.4 | 95.4 | 95.9 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 700 | 50.4 | 77.8 | 83.4 | 87.7 | 93.0 | 93.8 | 95.8 | 96.3 | 96.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 600 | 50.4 | 77.8 | 83.4 | 87.7 | 93.2 | 94.0 | 96.1 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 500 | 50.4 | 78.1 | 83.8 | 88.3 | 94.2 | 95.0 | 97.0 | 97.7 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 400 | 50.4 | 78.1 | 83.8 | 88.3 | 94.3 | 95.1 | 97.1 | 97.8 | 97.8 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 300 | 50.4 | 78.1 | 83.8 | 88.3 | 94.3 | 95.1 | 97.5 | 98.6 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 200 | 50.4 | 78.1 | 83.8 | 88.3 | 94.3 | 95.1 | 97.6 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 50.4 | 78.1 | 83.8 | 88.3 | 94.3 | 95.1 | 97.6 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 50.4 | 78.1 | 83.8 | 88.3 | 94.3 | 95.1 | 97.6 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS: 1400-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|-------|-------|
| IN FEET | GE 10 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/8 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 35.9 | 47.7 | 50.8 | 51.7 | 53.9 | 53.9 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| GE 20000 | 39.2 | 54.8 | 59.0 | 60.1 | 62.5 | 62.5 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 18000 | 39.5 | 55.0 | 59.2 | 60.5 | 63.2 | 63.2 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 16000 | 39.5 | 55.0 | 59.2 | 60.5 | 63.2 | 63.2 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 14000 | 39.7 | 55.7 | 59.9 | 61.2 | 63.9 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 12000 | 42.1 | 59.2 | 63.4 | 64.7 | 67.4 | 67.4 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 10000 | 44.8 | 62.7 | 67.4 | 68.7 | 72.1 | 72.1 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 9000 | 45.5 | 63.9 | 68.3 | 69.6 | 72.9 | 72.9 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 8000 | 46.3 | 65.4 | 70.7 | 72.1 | 75.4 | 75.4 | 76.3 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 7000 | 46.8 | 66.3 | 71.6 | 72.9 | 76.3 | 76.3 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 6000 | 47.0 | 67.0 | 72.3 | 74.1 | 77.4 | 77.4 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 5000 | 48.1 | 68.5 | 74.3 | 76.7 | 80.0 | 80.5 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 4500 | 48.3 | 68.7 | 74.5 | 76.9 | 80.5 | 80.9 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 4000 | 48.3 | 69.2 | 75.2 | 77.8 | 81.4 | 81.8 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 3500 | 49.2 | 70.5 | 77.2 | 79.8 | 83.4 | 83.8 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 3000 | 49.4 | 71.6 | 78.3 | 81.2 | 84.9 | 85.8 | 87.1 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 2500 | 49.4 | 72.3 | 79.4 | 82.6 | 86.7 | 87.6 | 89.1 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 2000 | 49.4 | 72.5 | 79.6 | 82.9 | 87.1 | 88.0 | 90.0 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 1800 | 49.4 | 72.6 | 79.6 | 83.1 | 87.4 | 88.2 | 90.2 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 1500 | 49.4 | 72.7 | 79.8 | 83.6 | 88.2 | 89.1 | 91.1 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1200 | 49.4 | 72.9 | 80.0 | 83.8 | 88.5 | 89.4 | 91.6 | 92.5 | 92.5 | 92.5 | 92.5 | 92.7 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 1000 | 49.4 | 73.2 | 80.3 | 84.0 | 88.9 | 89.8 | 92.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.6 | 93.8 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 900 | 49.4 | 73.2 | 80.5 | 84.3 | 89.4 | 90.2 | 92.7 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 800 | 49.4 | 73.2 | 80.5 | 84.5 | 89.8 | 90.7 | 93.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.9 | 95.1 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 700 | 49.4 | 73.2 | 80.7 | 84.7 | 90.0 | 91.1 | 94.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.8 | 96.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 600 | 49.4 | 73.2 | 80.7 | 85.6 | 91.1 | 92.2 | 95.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.9 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 500 | 49.4 | 73.2 | 80.7 | 86.0 | 92.0 | 93.1 | 96.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.2 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 400 | 49.4 | 73.2 | 80.7 | 86.0 | 92.2 | 93.3 | 96.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.7 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 49.4 | 73.2 | 80.7 | 86.0 | 92.2 | 93.3 | 96.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.7 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 49.4 | 73.2 | 80.7 | 86.0 | 92.2 | 93.3 | 96.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.7 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 49.4 | 73.2 | 80.7 | 86.0 | 92.2 | 93.3 | 96.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.7 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 49.4 | 73.2 | 80.7 | 86.0 | 92.2 | 93.3 | 96.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.7 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 451

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS: 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|----------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------|----------|----------|
| IN FEET | GE 10 | GE 5 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1/2 | GE 1/4 | GE 1/8 | GE 3/8 | GE 1/2 | GE 5/8 | GE 3/4 | GE 7/8 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 |
| NO CEIL | 38.1 | 46.8 | 49.4 | 51.1 | 53.8 | 54.0 | 55.4 | 55.9 | 55.9 | 56.0 | 56.1 | 56.2 | 56.5 | 56.5 | 56.8 | 57.5 | | |
| GE 20000 | 40.3 | 49.8 | 52.8 | 54.8 | 57.5 | 57.8 | 59.2 | 59.8 | 59.8 | 59.9 | 60.0 | 60.1 | 60.5 | 60.5 | 60.8 | 61.5 | | |
| GE 18000 | 40.8 | 50.3 | 53.3 | 55.3 | 58.1 | 58.4 | 60.0 | 60.6 | 60.6 | 60.7 | 60.8 | 61.0 | 61.3 | 61.3 | 61.6 | 62.3 | | |
| GE 16000 | 40.8 | 50.3 | 53.3 | 55.3 | 58.1 | 58.4 | 60.0 | 60.6 | 60.6 | 60.7 | 60.8 | 61.0 | 61.3 | 61.3 | 61.6 | 62.3 | | |
| GE 14000 | 41.0 | 50.5 | 53.5 | 55.5 | 58.3 | 58.6 | 60.3 | 61.0 | 61.0 | 61.1 | 61.2 | 61.3 | 61.6 | 61.6 | 62.0 | 62.7 | | |
| GE 12000 | 41.7 | 51.4 | 54.8 | 56.8 | 59.7 | 60.0 | 61.6 | 62.3 | 62.3 | 62.5 | 62.6 | 62.7 | 63.0 | 63.0 | 63.4 | 64.1 | | |
| GE 10000 | 43.1 | 53.8 | 57.1 | 59.3 | 62.6 | 63.2 | 65.1 | 66.0 | 66.0 | 66.2 | 66.3 | 66.4 | 66.7 | 66.7 | 67.1 | 67.8 | | |
| GE 9000 | 43.1 | 53.8 | 57.8 | 59.6 | 62.8 | 63.8 | 65.8 | 66.3 | 66.3 | 66.6 | 66.5 | 66.6 | 67.0 | 67.0 | 67.3 | 68.0 | | |
| GE 8000 | 44.0 | 55.5 | 59.2 | 61.8 | 65.0 | 65.6 | 67.9 | 69.1 | 69.1 | 69.8 | 69.5 | 69.6 | 70.0 | 70.0 | 70.3 | 71.0 | | |
| GE 7000 | 44.3 | 56.5 | 60.6 | 63.2 | 66.8 | 67.2 | 69.5 | 70.7 | 70.7 | 71.0 | 71.1 | 71.3 | 71.6 | 71.6 | 72.0 | 72.7 | | |
| GE 6000 | 44.4 | 56.9 | 61.0 | 63.5 | 66.9 | 67.7 | 70.0 | 71.1 | 71.1 | 71.5 | 71.6 | 71.7 | 72.1 | 72.1 | 72.4 | 73.1 | | |
| GE 5000 | 45.0 | 57.7 | 61.9 | 64.5 | 68.0 | 68.9 | 71.4 | 72.5 | 72.5 | 72.9 | 73.0 | 73.1 | 73.5 | 73.5 | 73.8 | 74.5 | | |
| GE 4500 | 45.2 | 57.9 | 62.1 | 64.8 | 68.3 | 69.8 | 71.8 | 73.0 | 73.0 | 73.3 | 73.4 | 73.9 | 74.3 | 74.3 | 74.6 | 75.3 | | |
| GE 4000 | 45.3 | 58.7 | 63.3 | 66.7 | 70.5 | 71.9 | 73.9 | 75.2 | 75.2 | 75.6 | 75.8 | 75.9 | 76.2 | 76.2 | 76.6 | 77.3 | | |
| GE 3500 | 45.8 | 59.0 | 63.6 | 67.1 | 70.9 | 71.8 | 74.8 | 75.7 | 75.7 | 76.1 | 76.4 | 76.5 | 76.8 | 76.8 | 77.2 | 77.8 | | |
| GE 3000 | 45.8 | 59.8 | 64.1 | 68.6 | 72.5 | 73.5 | 76.2 | 77.9 | 77.9 | 78.3 | 78.6 | 78.7 | 79.0 | 79.0 | 79.4 | 80.1 | | |
| GE 2500 | 45.9 | 60.1 | 65.5 | 69.1 | 73.0 | 73.9 | 76.7 | 78.3 | 78.3 | 78.8 | 79.1 | 79.3 | 79.6 | 79.6 | 80.0 | 80.6 | | |
| GE 2000 | 45.9 | 60.6 | 66.2 | 70.0 | 74.0 | 75.1 | 78.0 | 79.6 | 79.6 | 80.1 | 80.4 | 80.5 | 80.8 | 80.8 | 81.3 | 82.0 | | |
| GE 1800 | 45.9 | 60.7 | 66.3 | 70.1 | 74.2 | 75.2 | 78.1 | 79.7 | 79.7 | 80.2 | 80.5 | 80.6 | 81.0 | 81.0 | 81.5 | 82.2 | | |
| GE 1500 | 45.9 | 61.0 | 66.8 | 70.6 | 75.1 | 76.2 | 79.1 | 80.9 | 81.0 | 81.6 | 81.9 | 82.0 | 82.4 | 82.4 | 82.9 | 83.5 | | |
| GE 1200 | 45.9 | 61.2 | 67.4 | 71.6 | 76.5 | 77.6 | 80.9 | 82.7 | 82.9 | 83.4 | 83.8 | 83.9 | 84.2 | 84.2 | 84.7 | 85.4 | | |
| GE 1000 | 45.9 | 61.3 | 67.8 | 72.0 | 76.9 | 78.1 | 81.3 | 83.2 | 83.3 | 84.0 | 84.8 | 84.5 | 84.9 | 84.9 | 85.4 | 86.1 | | |
| GE 900 | 45.9 | 61.8 | 68.0 | 72.5 | 77.9 | 79.0 | 82.8 | 84.2 | 84.8 | 85.1 | 85.8 | 85.5 | 86.0 | 86.0 | 86.8 | 87.1 | | |
| GE 800 | 46.0 | 61.6 | 68.7 | 73.3 | 79.0 | 80.2 | 83.5 | 85.4 | 85.5 | 86.3 | 86.7 | 86.8 | 87.3 | 87.3 | 87.7 | 88.4 | | |
| GE 700 | 46.0 | 61.8 | 69.1 | 73.9 | 79.6 | 80.8 | 84.2 | 86.2 | 86.3 | 87.1 | 87.7 | 87.8 | 88.3 | 88.3 | 88.8 | 89.5 | | |
| GE 600 | 46.1 | 62.0 | 69.5 | 74.4 | 80.2 | 81.7 | 85.4 | 87.5 | 87.6 | 88.9 | 89.5 | 89.6 | 90.0 | 90.0 | 90.5 | 91.2 | | |
| GE 500 | 46.1 | 62.1 | 69.9 | 75.2 | 81.1 | 82.7 | 87.0 | 89.3 | 89.5 | 90.7 | 91.3 | 91.4 | 92.0 | 92.0 | 92.5 | 93.2 | | |
| GE 400 | 46.1 | 62.1 | 70.1 | 75.6 | 81.7 | 83.3 | 87.6 | 90.1 | 90.8 | 92.8 | 93.3 | 93.4 | 94.1 | 94.1 | 94.6 | 95.2 | | |
| GE 300 | 46.1 | 62.1 | 70.1 | 75.6 | 81.7 | 83.3 | 88.1 | 90.7 | 91.3 | 93.0 | 93.9 | 94.2 | 95.2 | 95.2 | 95.9 | 96.1 | | |
| GE 200 | 46.1 | 62.1 | 70.1 | 75.6 | 81.7 | 83.3 | 88.1 | 90.7 | 91.3 | 93.2 | 94.1 | 94.6 | 95.7 | 95.9 | 96.8 | 97.0 | | |
| GE 100 | 46.1 | 62.1 | 70.1 | 75.6 | 81.7 | 83.3 | 88.1 | 90.7 | 91.3 | 93.2 | 94.1 | 94.6 | 95.7 | 95.9 | 97.3 | 99.1 | | |
| GE 0 | 46.1 | 62.1 | 70.1 | 75.6 | 81.7 | 83.3 | 88.1 | 90.7 | 91.3 | 93.2 | 94.1 | 94.6 | 95.7 | 95.9 | 97.3 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 863

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS: 0800-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|-------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 1/8 | 0 |
| NO CEIL | 44.7 | 52.4 | 54.1 | 54.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 20000 | 49.2 | 58.2 | 59.9 | 60.7 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 18000 | 49.9 | 58.9 | 60.6 | 61.4 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 16000 | 49.9 | 58.9 | 60.6 | 61.4 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 14000 | 50.2 | 59.3 | 61.0 | 61.8 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 12000 | 51.4 | 61.3 | 63.0 | 63.8 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 10000 | 52.9 | 63.3 | 65.3 | 66.2 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 9000 | 53.1 | 63.6 | 65.5 | 66.4 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 8000 | 54.1 | 65.4 | 68.3 | 69.9 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 7000 | 54.8 | 66.2 | 69.1 | 70.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 6000 | 55.2 | 67.0 | 69.9 | 71.6 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 5000 | 55.6 | 67.8 | 70.8 | 72.5 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 4500 | 55.6 | 67.9 | 70.9 | 72.8 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 4000 | 56.8 | 69.6 | 72.9 | 74.7 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 3500 | 57.2 | 71.0 | 74.1 | 76.0 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 3000 | 58.9 | 73.9 | 77.1 | 79.1 | 80.6 | 80.6 | 80.7 | 80.7 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 2500 | 59.0 | 74.3 | 77.6 | 79.5 | 81.0 | 81.0 | 81.1 | 81.1 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 2000 | 59.0 | 75.8 | 79.0 | 81.1 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 1800 | 59.0 | 76.6 | 79.3 | 81.5 | 83.3 | 83.3 | 83.4 | 83.4 | 83.6 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 1600 | 59.0 | 76.0 | 80.1 | 82.8 | 84.9 | 84.9 | 85.2 | 85.3 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 1200 | 59.0 | 76.0 | 80.3 | 83.6 | 86.0 | 86.0 | 86.2 | 86.3 | 86.6 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1000 | 59.0 | 76.6 | 81.5 | 85.1 | 87.6 | 87.6 | 87.9 | 88.3 | 88.5 | 88.7 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 900 | 59.0 | 76.8 | 81.8 | 85.7 | 88.3 | 88.3 | 88.8 | 89.3 | 89.5 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 800 | 59.0 | 77.1 | 82.6 | 86.7 | 89.7 | 89.9 | 90.7 | 91.3 | 91.5 | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 700 | 59.0 | 77.1 | 82.8 | 87.0 | 90.1 | 90.3 | 91.8 | 92.9 | 93.1 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 600 | 59.0 | 77.2 | 83.0 | 87.4 | 90.6 | 90.9 | 93.0 | 94.0 | 94.3 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 500 | 59.0 | 77.4 | 83.1 | 87.5 | 90.9 | 91.6 | 93.8 | 94.8 | 95.1 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 400 | 59.0 | 77.4 | 83.1 | 87.5 | 90.9 | 91.8 | 94.8 | 95.6 | 96.0 | 96.8 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 300 | 59.0 | 77.4 | 83.1 | 87.6 | 91.0 | 91.8 | 94.9 | 96.2 | 96.6 | 97.7 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 200 | 59.0 | 77.4 | 83.1 | 87.6 | 91.0 | 91.8 | 94.9 | 96.2 | 96.6 | 97.7 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 100 | 59.0 | 77.4 | 83.1 | 87.6 | 91.0 | 91.8 | 94.9 | 96.2 | 96.6 | 97.7 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 0 | 59.0 | 77.4 | 83.1 | 87.6 | 91.0 | 91.8 | 94.9 | 96.2 | 96.6 | 97.7 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 870

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS: 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 0 |
| NO CEIL | 44.0 | 49.2 | 50.1 | 50.5 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 20000 | 49.2 | 55.0 | 56.0 | 56.3 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| GE 18000 | 50.2 | 56.0 | 57.0 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| GE 16000 | 50.3 | 56.3 | 57.4 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| GE 14000 | 50.8 | 56.8 | 57.8 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 12000 | 51.2 | 57.7 | 59.1 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 10000 | 53.7 | 60.7 | 62.4 | 62.8 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 9000 | 58.0 | 61.1 | 62.9 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 8000 | 58.8 | 63.5 | 65.7 | 66.4 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 7000 | 58.2 | 64.2 | 66.5 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 6000 | 56.7 | 65.0 | 67.3 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 5000 | 57.5 | 66.5 | 69.0 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 4500 | 57.8 | 66.8 | 69.8 | 70.2 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 4000 | 61.1 | 70.5 | 73.0 | 73.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 3500 | 61.9 | 73.6 | 76.9 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 3000 | 67.3 | 78.2 | 81.1 | 81.9 | 82.3 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 2500 | 67.5 | 79.1 | 82.4 | 83.3 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 2000 | 67.6 | 80.3 | 84.5 | 85.6 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 1800 | 67.6 | 80.5 | 84.9 | 86.1 | 86.9 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 1600 | 67.6 | 81.7 | 86.5 | 87.7 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 1400 | 67.6 | 81.9 | 87.0 | 88.4 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1200 | 67.6 | 82.1 | 87.9 | 89.5 | 90.6 | 90.8 | 91.0 | 91.7 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 1000 | 67.6 | 82.3 | 88.9 | 90.0 | 91.0 | 91.2 | 91.8 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 900 | 67.6 | 82.8 | 88.8 | 90.6 | 92.1 | 92.3 | 93.0 | 93.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 800 | 67.6 | 82.8 | 88.9 | 91.0 | 92.7 | 93.1 | 94.2 | 94.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 700 | 67.6 | 83.1 | 89.2 | 91.2 | 93.7 | 94.2 | 95.9 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 600 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 500 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 400 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 300 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 200 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 100 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 0 | 67.6 | 83.2 | 89.3 | 91.6 | 94.6 | 95.2 | 96.6 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS: 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(IST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|------|------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 47.4 | 52.2 | 53.5 | 54.1 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 20000 | 53.3 | 59.0 | 60.3 | 61.0 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 18000 | 53.2 | 58.7 | 61.0 | 61.7 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 16000 | 53.9 | 60.0 | 61.3 | 62.0 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 14000 | 58.2 | 60.8 | 61.7 | 62.6 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| GE 12000 | 55.4 | 62.2 | 63.6 | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 10000 | 56.4 | 64.4 | 66.0 | 67.1 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 9000 | 57.3 | 65.4 | 67.1 | 68.2 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 8000 | 60.0 | 69.6 | 71.8 | 72.8 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 7000 | 60.3 | 70.4 | 72.6 | 73.7 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 6000 | 60.9 | 71.4 | 73.5 | 74.6 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 5000 | 61.9 | 72.7 | 74.9 | 75.9 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 4500 | 62.1 | 72.9 | 75.1 | 76.2 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 4000 | 63.6 | 74.9 | 77.1 | 78.3 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 3500 | 65.1 | 77.1 | 79.4 | 80.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 3000 | 67.3 | 80.3 | 83.3 | 84.7 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 2500 | 67.3 | 81.4 | 84.9 | 86.4 | 87.2 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 2000 | 67.8 | 82.8 | 86.7 | 88.8 | 90.3 | 90.7 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1800 | 67.8 | 82.8 | 86.8 | 88.9 | 90.5 | 90.8 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1600 | 67.8 | 83.3 | 87.8 | 90.5 | 92.9 | 92.7 | 93.3 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1200 | 67.8 | 83.3 | 87.8 | 90.5 | 92.8 | 92.8 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1000 | 67.8 | 83.9 | 88.7 | 91.3 | 93.2 | 93.7 | 94.4 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 900 | 67.8 | 84.0 | 88.8 | 91.4 | 93.3 | 93.8 | 94.5 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 800 | 67.9 | 84.1 | 88.9 | 91.7 | 93.9 | 94.4 | 95.1 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 700 | 67.9 | 84.1 | 89.0 | 91.9 | 94.2 | 94.8 | 95.7 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 600 | 67.9 | 84.3 | 89.2 | 92.0 | 94.3 | 94.8 | 95.2 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 500 | 67.9 | 84.4 | 89.4 | 92.3 | 94.6 | 95.5 | 97.1 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 400 | 67.9 | 84.4 | 89.4 | 92.3 | 94.6 | 95.7 | 97.6 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 300 | 67.9 | 84.4 | 89.4 | 92.3 | 94.9 | 95.8 | 98.0 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 200 | 67.9 | 84.4 | 89.4 | 92.3 | 94.9 | 95.8 | 98.1 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 100 | 67.9 | 84.4 | 89.4 | 92.3 | 94.9 | 95.8 | 98.1 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 0 | 67.9 | 84.4 | 89.4 | 92.3 | 94.9 | 95.8 | 98.1 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS: 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS: 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|----------|------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|-----------|
| IN FEET | GE 10 | GE 5 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/32 | GE 1/64 | GE 1/128 | GE 1/256 | GE 1/512 | GE 1/1024 |
| NO CEIL | 40.2 | 55.3 | 57.6 | 58.1 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| GE 20000 | 53.0 | 60.9 | 63.1 | 63.6 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 18000 | 53.5 | 61.8 | 63.6 | 64.1 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 16000 | 53.8 | 61.6 | 63.9 | 64.4 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 14000 | 54.1 | 62.8 | 64.6 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 12000 | 56.3 | 65.4 | 67.9 | 68.4 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 10000 | 57.1 | 67.2 | 69.9 | 70.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 9000 | 57.1 | 67.9 | 70.7 | 71.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 8000 | 58.6 | 70.5 | 73.5 | 74.2 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 7000 | 59.1 | 71.2 | 74.2 | 75.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 6000 | 59.8 | 72.7 | 75.8 | 76.5 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 5000 | 60.9 | 74.0 | 77.3 | 78.0 | 79.3 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 4500 | 61.8 | 74.7 | 78.0 | 78.8 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 4000 | 62.8 | 75.8 | 79.5 | 80.6 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 3500 | 62.8 | 77.0 | 80.8 | 82.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 3000 | 63.9 | 79.5 | 83.3 | 84.6 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 2500 | 63.9 | 80.3 | 84.6 | 86.4 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 2000 | 64.1 | 80.8 | 85.9 | 87.4 | 90.7 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 1800 | 64.1 | 80.8 | 86.1 | 88.1 | 91.2 | 91.9 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 1600 | 64.1 | 80.8 | 86.4 | 88.4 | 91.4 | 92.2 | 93.0 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 1400 | 64.4 | 81.1 | 87.1 | 89.1 | 92.4 | 93.2 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1200 | 64.4 | 81.1 | 87.4 | 89.4 | 92.7 | 93.7 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1000 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 900 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 800 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 700 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 600 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 500 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 400 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 300 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 200 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 100 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 01 | 64.4 | 81.3 | 87.4 | 89.4 | 92.9 | 93.9 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |

TOTAL NUMBER OF OBSERVATIONS: 396

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-04

PERIOD OF RECORD: 75-84
MONIN: DCI HOURS(EST): 0600-0800

.....
VISIBILITY IN STATUTE RULES

| IN FEET | GE 10 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------------------|-------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| NO CEIL | 33.5 | 40.7 | 42.9 | 44.1 | 45.7 | 46.9 | 46.6 | 47.2 | 47.2 | 47.3 | 47.7 | 47.7 | 47.9 | 47.9 | 48.5 |
| GE 20000 | 36.3 | 44.5 | 46.9 | 48.3 | 50.0 | 50.2 | 50.9 | 51.9 | 51.9 | 52.0 | 52.3 | 52.3 | 52.8 | 52.8 | 53.4 |
| GE 18000 | 36.8 | 44.7 | 47.1 | 48.5 | 50.2 | 50.5 | 51.2 | 52.1 | 52.1 | 52.2 | 52.6 | 52.6 | 53.0 | 53.0 | 53.6 |
| GE 16000 | 36.7 | 45.0 | 47.4 | 48.8 | 50.6 | 50.8 | 51.5 | 52.4 | 52.4 | 52.6 | 52.9 | 52.9 | 53.4 | 53.4 | 54.0 |
| GE 14000 | 37.3 | 45.6 | 48.0 | 49.4 | 51.2 | 51.8 | 52.1 | 53.0 | 53.0 | 53.1 | 53.5 | 53.6 | 54.1 | 54.1 | 54.7 |
| GE 12000 | 38.1 | 47.1 | 50.0 | 51.9 | 53.7 | 54.0 | 54.7 | 55.6 | 55.6 | 55.7 | 56.0 | 56.2 | 56.6 | 56.6 | 57.2 |
| GE 10000 | 39.2 | 49.0 | 51.9 | 53.8 | 55.9 | 56.2 | 56.9 | 57.8 | 57.8 | 57.9 | 58.3 | 58.4 | 58.8 | 58.8 | 59.5 |
| GE 9000 | 39.7 | 49.8 | 52.3 | 54.3 | 56.4 | 56.6 | 57.3 | 58.3 | 58.3 | 58.4 | 58.7 | 58.8 | 59.3 | 59.3 | 60.0 |
| GE 8000 | 41.2 | 51.9 | 54.9 | 57.4 | 60.1 | 60.3 | 61.4 | 62.3 | 62.3 | 62.4 | 63.0 | 63.1 | 63.6 | 63.6 | 64.3 |
| GE 7000 | 41.5 | 52.9 | 56.2 | 58.8 | 62.2 | 62.6 | 63.6 | 64.7 | 64.7 | 64.8 | 65.3 | 65.5 | 65.9 | 65.9 | 66.6 |
| GE 6000 | 42.1 | 53.8 | 57.2 | 59.9 | 63.5 | 63.8 | 64.8 | 66.3 | 66.3 | 66.4 | 67.0 | 67.1 | 67.6 | 67.7 | 68.4 |
| GE 5000 | 42.8 | 55.0 | 58.5 | 61.2 | 64.8 | 65.1 | 66.5 | 67.6 | 67.6 | 67.8 | 68.4 | 68.6 | 69.1 | 69.2 | 69.9 |
| GE 4500 | 43.8 | 56.3 | 60.1 | 62.8 | 66.4 | 66.9 | 68.5 | 69.5 | 69.5 | 69.8 | 70.5 | 70.6 | 71.0 | 71.2 | 71.9 |
| GE 4000 | 44.0 | 57.7 | 61.6 | 64.7 | 68.6 | 69.1 | 70.7 | 71.7 | 71.7 | 72.1 | 73.0 | 73.1 | 73.6 | 73.7 | 74.4 |
| GE 3500 | 45.0 | 59.3 | 63.6 | 66.9 | 71.4 | 72.1 | 74.1 | 75.1 | 75.1 | 75.6 | 76.8 | 76.9 | 77.0 | 77.1 | 78.0 |
| GE 3000 | 46.2 | 61.3 | 65.7 | 69.3 | 74.1 | 74.5 | 76.7 | 77.8 | 77.8 | 78.1 | 79.1 | 79.2 | 79.7 | 79.8 | 80.5 |
| GE 2500 | 47.0 | 62.6 | 67.0 | 70.6 | 75.6 | 75.9 | 78.1 | 79.2 | 79.2 | 79.5 | 80.5 | 80.6 | 81.0 | 81.2 | 81.9 |
| GE 2000 | 47.0 | 62.7 | 67.1 | 70.8 | 75.8 | 76.3 | 78.5 | 79.5 | 79.5 | 80.8 | 80.8 | 81.4 | 81.5 | 82.2 | 82.8 |
| GE 1800 | 47.0 | 62.7 | 67.3 | 71.2 | 76.3 | 76.6 | 78.8 | 79.9 | 79.9 | 80.2 | 81.2 | 81.3 | 81.7 | 81.9 | 82.6 |
| GE 1500 | 47.0 | 63.1 | 67.8 | 71.6 | 76.7 | 77.2 | 79.7 | 80.7 | 80.7 | 81.2 | 82.1 | 82.2 | 82.7 | 82.8 | 83.5 |
| GE 1200 | 47.0 | 63.3 | 68.1 | 72.2 | 77.6 | 78.0 | 80.7 | 81.7 | 81.7 | 82.3 | 83.3 | 83.4 | 83.8 | 84.0 | 84.7 |
| GE 1000 | 47.0 | 63.5 | 68.5 | 72.8 | 78.3 | 78.7 | 81.7 | 82.9 | 82.9 | 83.6 | 84.6 | 84.8 | 85.1 | 85.2 | 85.9 |
| GE 900 | 47.0 | 63.6 | 68.6 | 73.0 | 78.5 | 79.0 | 82.0 | 83.1 | 83.1 | 84.0 | 84.8 | 85.0 | 85.6 | 85.7 | 86.4 |
| GE 800 | 47.0 | 63.8 | 68.8 | 73.3 | 78.8 | 79.3 | 82.4 | 83.6 | 83.6 | 84.4 | 85.3 | 85.5 | 86.0 | 86.2 | 86.9 |
| GE 700 | 47.0 | 63.8 | 68.8 | 73.3 | 79.0 | 79.5 | 82.6 | 83.8 | 83.8 | 84.6 | 85.5 | 85.7 | 86.2 | 86.3 | 87.0 |
| GE 600 | 47.0 | 64.1 | 69.1 | 73.6 | 79.2 | 79.7 | 83.1 | 84.4 | 84.4 | 85.6 | 86.7 | 87.1 | 87.6 | 87.9 | 88.6 |
| GE 500 | 47.0 | 64.1 | 69.1 | 73.6 | 79.7 | 80.7 | 85.0 | 86.6 | 86.7 | 87.7 | 89.2 | 89.3 | 90.2 | 90.3 | 91.0 |
| GE 400 | 47.0 | 64.2 | 69.2 | 73.7 | 80.0 | 81.8 | 85.9 | 87.8 | 87.9 | 89.1 | 90.7 | 90.8 | 92.1 | 92.2 | 93.0 |
| GE 300 | 47.0 | 64.2 | 69.2 | 73.7 | 80.0 | 81.8 | 86.0 | 88.0 | 88.1 | 89.3 | 91.6 | 92.1 | 93.8 | 94.1 | 95.2 |
| GE 200 | 47.0 | 64.3 | 69.3 | 73.8 | 80.2 | 81.7 | 86.8 | 88.8 | 88.8 | 90.2 | 93.0 | 93.7 | 95.7 | 96.0 | 97.7 |
| GE 100 | 47.0 | 64.3 | 69.3 | 73.8 | 80.2 | 81.7 | 86.8 | 88.8 | 88.8 | 90.2 | 93.0 | 93.7 | 95.7 | 96.0 | 97.8 |
| GE 0 | 87.0 | 68.3 | 69.3 | 73.8 | 80.2 | 81.7 | 86.8 | 88.8 | 88.8 | 90.2 | 93.0 | 93.7 | 95.7 | 96.0 | 100.0 |
| TOTAL NUMBER OF OBSERVATIONS: 860 | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS: 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 40.2 | 46.7 | 47.8 | 48.2 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| GE 20000 | 43.5 | 51.3 | 52.6 | 53.0 | 53.5 | 53.5 | 53.5 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 18000 | 43.7 | 51.8 | 53.0 | 53.5 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| GE 16000 | 43.7 | 51.8 | 53.0 | 53.5 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| GE 14000 | 43.4 | 52.6 | 53.8 | 54.1 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 12000 | 45.9 | 54.9 | 56.6 | 57.1 | 57.5 | 57.5 | 57.5 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 10000 | 46.9 | 57.1 | 58.7 | 59.3 | 59.9 | 59.9 | 59.9 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 9000 | 48.0 | 58.6 | 60.3 | 61.0 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| GE 8000 | 50.3 | 62.4 | 64.3 | 65.1 | 65.9 | 65.9 | 66.0 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 7000 | 51.3 | 63.9 | 65.9 | 66.7 | 67.5 | 67.5 | 67.6 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 6000 | 51.6 | 64.1 | 66.1 | 66.9 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 68.0 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 5000 | 52.5 | 65.4 | 67.4 | 68.2 | 68.9 | 68.9 | 69.1 | 69.2 | 69.2 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 4500 | 52.8 | 66.0 | 68.0 | 68.8 | 69.6 | 69.6 | 69.7 | 69.8 | 69.8 | 69.9 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 4000 | 54.3 | 69.1 | 71.3 | 72.1 | 72.9 | 72.9 | 73.0 | 73.1 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 3500 | 56.3 | 71.9 | 74.3 | 75.2 | 76.2 | 76.2 | 76.5 | 76.6 | 76.6 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 3000 | 58.7 | 75.1 | 77.8 | 79.3 | 80.3 | 80.3 | 80.7 | 80.8 | 80.8 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 2800 | 59.8 | 77.2 | 80.0 | 81.5 | 82.6 | 82.7 | 83.1 | 83.2 | 83.2 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 2600 | 60.0 | 77.8 | 80.6 | 82.8 | 83.6 | 83.7 | 84.1 | 84.2 | 84.2 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 2400 | 60.0 | 78.0 | 81.1 | 82.8 | 84.2 | 84.3 | 84.6 | 84.8 | 84.8 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 2200 | 60.0 | 78.3 | 81.4 | 83.6 | 85.1 | 85.2 | 85.7 | 85.7 | 85.7 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 2000 | 60.1 | 78.8 | 82.0 | 84.3 | 86.1 | 86.2 | 86.7 | 86.9 | 86.9 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1800 | 60.2 | 79.4 | 82.8 | 85.5 | 87.4 | 87.7 | 88.3 | 88.6 | 88.6 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 1600 | 60.3 | 79.6 | 83.2 | 86.0 | 88.0 | 88.2 | 88.9 | 89.2 | 89.2 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 1400 | 60.3 | 79.7 | 83.3 | 86.2 | 88.3 | 88.6 | 89.2 | 89.6 | 89.6 | 89.9 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 1200 | 60.3 | 79.7 | 83.5 | 86.5 | 88.8 | 89.2 | 89.9 | 90.1 | 90.1 | 90.7 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 1000 | 60.3 | 79.8 | 83.7 | 86.9 | 89.3 | 89.9 | 90.9 | 91.1 | 91.1 | 91.7 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 900 | 60.3 | 79.9 | 84.0 | 87.6 | 90.2 | 91.3 | 92.7 | 93.5 | 93.5 | 94.2 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 800 | 60.3 | 80.0 | 88.2 | 87.8 | 90.7 | 91.8 | 93.3 | 93.3 | 93.3 | 94.2 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 700 | 60.4 | 80.0 | 84.3 | 88.0 | 91.0 | 92.3 | 94.1 | 95.3 | 95.3 | 96.3 | 97.5 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 600 | 60.4 | 80.2 | 85.3 | 88.1 | 91.3 | 92.6 | 94.8 | 95.6 | 95.6 | 96.6 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 500 | 60.4 | 80.2 | 88.8 | 89.1 | 91.3 | 92.6 | 94.8 | 95.6 | 95.6 | 96.6 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 400 | 60.4 | 80.2 | 88.8 | 89.1 | 91.3 | 92.6 | 94.8 | 95.6 | 95.6 | 96.6 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 300 | 60.4 | 80.2 | 88.8 | 89.1 | 91.3 | 92.6 | 94.8 | 95.6 | 95.6 | 96.6 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 200 | 60.4 | 80.2 | 88.8 | 89.1 | 91.3 | 92.6 | 94.8 | 95.6 | 95.6 | 96.6 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 100 | 60.4 | 80.2 | 88.8 | 89.1 | 91.3 | 92.6 | 94.8 | 95.6 | 95.6 | 96.6 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 01 | 60.4 | 80.2 | 84.4 | 88.1 | 91.3 | 92.6 | 88.4 | 95.6 | 95.6 | 96.6 | 98.0 | 98.4 | 99.3 | 99.4 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS (LST): 1200-1400

| CEILING | | | | | | | | | | | | | | | | |
|-----------------------------|-------|------|------|------|----------|----------|------|--------|--------|--------|---------|--------|--------|---------|---------|------|
| VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
| IN FEET | GE 10 | GE 5 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/32 | GE 0 |
| NO CEIL | 41.4 | 46.9 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| GE 20000 | 45.1 | 51.9 | 52.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| GE 18000 | 45.5 | 52.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 16000 | 45.5 | 52.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 14000 | 45.9 | 52.7 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 12000 | 47.1 | 53.9 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 10000 | 48.9 | 56.9 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 9000 | 50.2 | 58.5 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 8000 | 51.6 | 61.0 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 7000 | 52.8 | 62.8 | 63.8 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 6000 | 53.1 | 63.1 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 5000 | 53.3 | 63.4 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 4500 | 58.5 | 68.9 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 4000 | 57.7 | 69.3 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 3500 | 61.8 | 73.9 | 75.6 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 3000 | 66.1 | 79.1 | 80.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 2500 | 67.1 | 81.8 | 83.6 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 2000 | 68.0 | 83.1 | 85.8 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 1800 | 68.1 | 83.3 | 86.0 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 1600 | 68.2 | 83.4 | 86.3 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 1200 | 68.4 | 83.6 | 87.6 | 88.7 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1000 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 900 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 800 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 700 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 600 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 500 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 400 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 300 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 200 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 100 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 0 | 68.4 | 83.6 | 87.7 | 89.3 | 89.8 | 90.1 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |

TOTAL NUMBER OF OBSERVATIONS: 885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|-----------|------------|------------|------------|-------------|-------------|-------------|
| | GE 10 | GE 5 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/32 | GE 1/64 | GE 1/128 | GE 1/256 | GE 1/512 |
| NO CEIL | 45.7 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 20000 | 50.1 | 56.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| GE 18000 | 50.2 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 16000 | 50.2 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 14000 | 50.6 | 56.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 12000 | 51.6 | 57.9 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 10000 | 52.6 | 59.7 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GE 9000 | 53.0 | 60.1 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| GE 8000 | 54.3 | 62.6 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 7000 | 55.6 | 64.5 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 6000 | 55.9 | 65.0 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 5000 | 57.6 | 67.2 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 4500 | 58.3 | 68.2 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 4000 | 62.1 | 73.0 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 3500 | 65.1 | 77.1 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 3000 | 68.0 | 81.0 | 82.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 2500 | 68.2 | 82.7 | 84.2 | 84.6 | 84.9 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 |
| GE 2000 | 68.7 | 84.2 | 85.8 | 86.6 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.6 | 87.6 | 87.6 |
| GE 1800 | 68.7 | 84.2 | 85.8 | 86.6 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.6 | 87.6 | 87.6 |
| GE 1600 | 69.1 | 85.6 | 87.2 | 88.1 | 88.8 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.7 | 89.7 | 89.7 |
| GE 1400 | 69.1 | 85.8 | 87.4 | 88.4 | 89.1 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 90.1 | 90.1 | 90.1 |
| GE 1200 | 69.2 | 85.9 | 87.6 | 89.0 | 89.6 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.8 | 90.8 | 90.8 |
| GE 1000 | 69.2 | 85.9 | 87.6 | 89.0 | 89.6 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.8 | 90.8 | 90.8 |
| GE 900 | 69.2 | 85.9 | 87.6 | 89.0 | 89.6 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.8 | 90.8 | 90.8 |
| GE 800 | 69.2 | 86.0 | 87.9 | 89.4 | 90.1 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.9 | 91.9 | 91.9 |
| GE 700 | 69.2 | 86.1 | 88.0 | 89.5 | 90.7 | 91.0 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 92.9 | 92.9 | 92.9 |
| GE 600 | 69.2 | 86.2 | 88.2 | 89.7 | 90.8 | 91.0 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 94.1 | 94.1 | 94.1 |
| GE 500 | 69.2 | 86.3 | 88.3 | 90.0 | 91.5 | 92.6 | 93.8 | 93.7 | 93.8 | 94.6 | 95.2 | 95.2 | 95.2 | 95.8 | 95.8 | 95.8 |
| GE 400 | 69.2 | 86.3 | 88.3 | 90.0 | 91.5 | 92.6 | 93.8 | 93.7 | 93.8 | 94.6 | 95.2 | 95.2 | 95.2 | 95.8 | 95.8 | 95.8 |
| GE 300 | 69.2 | 86.4 | 88.5 | 90.2 | 91.9 | 92.9 | 94.2 | 94.6 | 94.6 | 94.6 | 96.2 | 97.0 | 97.2 | 98.2 | 98.5 | 98.5 |
| GE 200 | 69.2 | 86.4 | 88.5 | 90.2 | 91.9 | 92.9 | 94.2 | 94.6 | 94.6 | 94.6 | 96.2 | 97.0 | 97.2 | 98.2 | 98.5 | 98.5 |
| GE 100 | 69.2 | 86.4 | 88.5 | 90.2 | 91.9 | 92.9 | 94.2 | 94.6 | 94.6 | 94.6 | 96.2 | 97.0 | 97.2 | 98.2 | 98.5 | 98.5 |
| GE 0 | 69.2 | 86.4 | 88.5 | 90.2 | 91.9 | 92.9 | 94.2 | 94.6 | 94.6 | 94.6 | 96.2 | 97.0 | 97.2 | 98.2 | 98.5 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS: 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: OCT HOUR\$1\$1\$1: 1800-2000

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|----------|-----------------------------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|
| IN FEET | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 1 | 3/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 46.2 | 54.0 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 20000 | 47.8 | 56.4 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 18000 | 48.3 | 56.8 | 59.1 | 59.1 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 16000 | 48.3 | 56.8 | 59.1 | 59.1 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 14000 | 49.0 | 57.5 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 12000 | 49.9 | 58.4 | 60.7 | 60.7 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 10000 | 51.5 | 60.7 | 63.0 | 63.0 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 9000 | 51.5 | 61.2 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 8000 | 53.1 | 63.7 | 66.3 | 66.3 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 7000 | 54.8 | 66.3 | 68.8 | 68.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 6000 | 54.8 | 66.3 | 69.1 | 69.1 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 5000 | 56.4 | 68.8 | 71.6 | 71.6 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 4500 | 56.4 | 69.1 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 4000 | 58.7 | 72.1 | 75.8 | 75.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 3500 | 60.3 | 74.6 | 78.5 | 78.5 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 3000 | 62.4 | 77.8 | 82.4 | 82.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 2500 | 63.0 | 78.4 | 83.6 | 83.6 | 85.2 | 85.2 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 2000 | 63.5 | 80.1 | 85.0 | 85.0 | 86.8 | 86.8 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.5 | 87.8 | 88.0 | 88.0 | 88.0 |
| GE 1800 | 63.5 | 80.1 | 85.0 | 85.0 | 86.8 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.8 | 88.0 | 88.2 | 88.2 | 88.2 |
| GE 1500 | 63.7 | 80.8 | 85.9 | 85.9 | 88.0 | 88.0 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.9 | 89.1 | 89.3 | 89.3 | 89.3 |
| GE 1200 | 64.0 | 81.3 | 86.4 | 86.4 | 88.7 | 88.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 | 89.8 | 90.1 | 90.1 | 90.1 |
| GE 1000 | 64.0 | 81.5 | 86.6 | 86.6 | 89.4 | 89.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.8 | 91.0 | 91.2 | 91.2 | 91.2 |
| GE 900 | 64.0 | 81.8 | 86.8 | 86.8 | 89.6 | 89.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.2 | 91.5 | 91.7 | 91.7 |
| GE 800 | 64.0 | 81.8 | 86.8 | 86.8 | 89.6 | 89.6 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 91.2 | 91.5 | 91.7 | 91.7 | 91.7 |
| GE 700 | 64.0 | 81.8 | 87.1 | 87.1 | 89.9 | 89.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 600 | 64.0 | 81.8 | 87.3 | 87.3 | 89.9 | 89.9 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 500 | 64.0 | 81.8 | 87.5 | 87.5 | 89.6 | 89.6 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 400 | 64.0 | 81.8 | 87.5 | 87.5 | 89.6 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 300 | 64.0 | 81.8 | 87.5 | 87.5 | 89.6 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 200 | 64.0 | 81.8 | 87.5 | 87.5 | 89.6 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 100 | 64.0 | 81.8 | 87.5 | 87.5 | 89.6 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |
| GE 0 | 64.0 | 81.8 | 87.5 | 87.5 | 89.6 | 89.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.7 | 91.9 | 92.1 | 92.1 |

TOTAL NUMBER OF OBSERVATIONS: 433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS A&F MA

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.1 | 43.1 | 43.9 | 44.8 | 45.6 | 45.6 | 46.1 | 46.1 | 46.1 | 46.3 | 46.5 | 46.5 | 46.6 | 46.6 | 46.8 | 46.8 |
| GE 20000 | 40.5 | 48.1 | 48.9 | 49.8 | 51.0 | 51.0 | 51.6 | 51.6 | 51.6 | 51.8 | 51.9 | 51.9 | 52.1 | 52.1 | 52.3 | 52.3 |
| GE 18000 | 40.6 | 48.2 | 49.0 | 50.0 | 51.1 | 51.1 | 51.8 | 51.8 | 51.8 | 51.9 | 52.1 | 52.1 | 52.3 | 52.3 | 52.4 | 52.4 |
| GE 16000 | 40.6 | 48.2 | 49.0 | 50.0 | 51.1 | 51.1 | 51.8 | 51.8 | 51.8 | 51.9 | 52.1 | 52.1 | 52.3 | 52.3 | 52.4 | 52.4 |
| GE 14000 | 40.6 | 48.2 | 49.0 | 50.0 | 51.5 | 51.5 | 52.1 | 52.1 | 52.1 | 52.3 | 52.4 | 52.4 | 52.6 | 52.6 | 52.7 | 52.7 |
| GE 12000 | 41.3 | 49.4 | 50.2 | 51.1 | 52.6 | 52.6 | 53.2 | 53.2 | 53.2 | 53.4 | 53.5 | 53.5 | 53.7 | 53.7 | 53.9 | 53.9 |
| GE 10000 | 43.1 | 52.1 | 53.1 | 54.0 | 55.6 | 55.6 | 56.3 | 56.3 | 56.3 | 56.5 | 56.6 | 56.6 | 56.8 | 56.8 | 56.9 | 56.9 |
| GE 9000 | 43.9 | 53.4 | 54.4 | 55.3 | 57.8 | 57.8 | 58.1 | 58.1 | 58.1 | 58.2 | 58.4 | 58.4 | 58.5 | 58.5 | 58.7 | 58.7 |
| GE 8000 | 46.3 | 56.6 | 57.7 | 58.9 | 61.1 | 61.1 | 61.8 | 61.8 | 61.8 | 61.9 | 62.1 | 62.1 | 62.3 | 62.3 | 62.4 | 62.4 |
| GE 7000 | 47.1 | 57.6 | 58.7 | 59.8 | 62.1 | 62.1 | 62.7 | 62.7 | 62.7 | 62.9 | 63.1 | 63.1 | 63.2 | 63.2 | 63.4 | 63.4 |
| GE 6000 | 47.9 | 58.5 | 59.7 | 60.8 | 63.1 | 63.1 | 63.7 | 63.7 | 63.7 | 63.9 | 64.0 | 64.0 | 64.2 | 64.2 | 64.5 | 64.5 |
| GE 5000 | 48.7 | 59.8 | 61.1 | 62.0 | 64.8 | 64.8 | 65.5 | 65.5 | 65.5 | 65.6 | 65.8 | 65.8 | 66.0 | 66.0 | 66.3 | 66.3 |
| GE 4500 | 48.5 | 61.3 | 62.6 | 64.0 | 66.6 | 66.6 | 67.3 | 67.3 | 67.3 | 67.4 | 67.6 | 67.6 | 67.7 | 67.7 | 68.1 | 68.1 |
| GE 4000 | 50.5 | 62.4 | 63.9 | 65.3 | 68.1 | 68.1 | 68.7 | 68.7 | 68.7 | 68.8 | 69.0 | 69.0 | 69.2 | 69.2 | 69.5 | 69.5 |
| GE 3500 | 51.9 | 65.0 | 66.8 | 68.2 | 71.1 | 71.1 | 71.8 | 71.8 | 71.8 | 71.9 | 72.1 | 72.1 | 72.3 | 72.3 | 72.6 | 72.6 |
| GE 3000 | 52.6 | 67.6 | 69.8 | 71.3 | 74.2 | 74.2 | 74.9 | 74.9 | 74.9 | 75.2 | 75.3 | 75.3 | 75.5 | 75.5 | 75.8 | 75.8 |
| GE 2500 | 53.1 | 69.5 | 72.1 | 73.9 | 76.9 | 77.1 | 77.7 | 77.7 | 77.7 | 77.9 | 78.1 | 78.1 | 78.2 | 78.2 | 78.5 | 78.5 |
| GE 2000 | 54.2 | 71.6 | 74.8 | 76.3 | 80.0 | 80.1 | 81.1 | 81.1 | 81.1 | 81.3 | 81.6 | 81.6 | 81.8 | 81.8 | 82.1 | 82.1 |
| GE 1800 | 54.2 | 71.6 | 74.8 | 76.3 | 80.0 | 80.1 | 81.1 | 81.1 | 81.1 | 81.3 | 81.6 | 81.6 | 81.8 | 81.8 | 82.1 | 82.1 |
| GE 1500 | 54.8 | 71.8 | 74.5 | 76.5 | 80.2 | 80.5 | 81.6 | 81.6 | 81.6 | 81.8 | 82.3 | 82.3 | 82.4 | 82.4 | 82.7 | 82.7 |
| GE 1200 | 54.8 | 72.3 | 75.6 | 77.7 | 81.8 | 82.1 | 83.9 | 83.9 | 83.9 | 84.1 | 84.0 | 84.0 | 84.2 | 84.2 | 84.5 | 84.5 |
| GE 1000 | 54.6 | 72.6 | 76.1 | 78.4 | 82.7 | 83.1 | 84.7 | 84.7 | 84.7 | 85.0 | 85.3 | 85.3 | 85.5 | 85.5 | 85.8 | 85.8 |
| GE 900 | 54.7 | 72.7 | 76.5 | 78.7 | 83.2 | 83.8 | 85.2 | 85.2 | 85.2 | 85.6 | 86.0 | 86.0 | 86.3 | 86.3 | 86.6 | 86.6 |
| GE 800 | 54.8 | 73.1 | 76.8 | 79.2 | 83.9 | 84.2 | 85.9 | 85.9 | 85.9 | 86.3 | 86.8 | 86.8 | 87.1 | 87.1 | 87.4 | 87.4 |
| GE 700 | 54.8 | 73.8 | 77.3 | 79.7 | 84.5 | 84.8 | 86.4 | 86.4 | 86.4 | 87.3 | 87.7 | 87.7 | 88.1 | 88.1 | 88.4 | 88.4 |
| GE 600 | 54.8 | 73.8 | 77.3 | 79.7 | 84.7 | 85.2 | 87.3 | 87.7 | 87.7 | 88.4 | 88.9 | 88.9 | 89.2 | 89.2 | 89.5 | 89.5 |
| GE 500 | 54.8 | 73.7 | 77.9 | 80.3 | 86.1 | 86.6 | 88.7 | 89.4 | 89.4 | 90.0 | 91.0 | 91.0 | 91.3 | 91.6 | 91.9 | 91.9 |
| GE 400 | 54.8 | 73.7 | 77.9 | 80.3 | 86.3 | 87.1 | 89.2 | 89.8 | 90.0 | 91.3 | 92.7 | 92.7 | 93.1 | 93.8 | 93.7 | 93.7 |
| GE 300 | 54.8 | 73.7 | 77.9 | 80.3 | 86.3 | 87.3 | 89.4 | 90.2 | 90.3 | 91.6 | 93.1 | 93.2 | 93.7 | 94.0 | 94.4 | 94.4 |
| GE 200 | 54.8 | 73.7 | 78.1 | 80.5 | 86.5 | 87.8 | 89.5 | 90.6 | 90.8 | 92.3 | 93.7 | 93.9 | 95.0 | 95.3 | 96.5 | 97.1 |
| GE 100 | 54.8 | 73.7 | 78.1 | 80.5 | 86.5 | 87.8 | 89.5 | 90.6 | 90.8 | 92.3 | 93.7 | 94.0 | 95.3 | 95.8 | 97.3 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS: 620

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84

MONTH: NOV HOURS (EST): 0900-1100

VISIBILITY IN STATUTE MILES

| IN FEET | GE 10 | GE 8 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 39.4 | 44.2 | 45.1 | 45.7 | 46.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.2 |
| GE 20000 | 42.7 | 48.5 | 49.8 | 50.4 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.1 |
| GE 18000 | 42.7 | 48.6 | 49.9 | 50.5 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 |
| GE 16000 | 42.7 | 48.6 | 49.9 | 50.5 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 |
| GE 14000 | 43.0 | 48.9 | 50.2 | 50.9 | 51.3 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 |
| GE 12000 | 43.7 | 50.2 | 51.9 | 52.7 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 |
| GE 10000 | 46.1 | 52.9 | 54.6 | 55.5 | 55.8 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 |
| GE 9000 | 46.9 | 53.0 | 54.7 | 55.6 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 |
| GE 8000 | 48.4 | 56.8 | 59.0 | 60.3 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 |
| GE 7000 | 49.5 | 57.9 | 60.2 | 61.5 | 61.8 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 |
| GE 6000 | 50.7 | 59.1 | 61.4 | 62.7 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 |
| GE 5000 | 52.3 | 61.1 | 63.5 | 64.9 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 |
| GE 4500 | 53.3 | 62.7 | 65.2 | 66.5 | 66.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 |
| GE 4000 | 55.0 | 65.6 | 68.2 | 69.7 | 70.2 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.7 |
| GE 3500 | 57.6 | 68.3 | 72.1 | 73.6 | 74.2 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 |
| GE 3000 | 59.7 | 72.7 | 75.9 | 77.4 | 78.2 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 |
| GE 2500 | 60.4 | 74.6 | 78.1 | 79.8 | 80.6 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| GE 2000 | 61.1 | 75.2 | 79.7 | 81.6 | 82.4 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 |
| GE 1800 | 61.1 | 76.3 | 80.0 | 81.9 | 82.9 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 |
| GE 1500 | 61.3 | 76.8 | 80.6 | 82.6 | 83.6 | 84.0 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 |
| GE 1200 | 61.5 | 77.9 | 82.2 | 84.1 | 85.0 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 |
| GE 1000 | 61.7 | 78.6 | 82.8 | 84.8 | 85.8 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 |
| GE 900 | 61.7 | 78.8 | 83.0 | 85.0 | 86.0 | 86.4 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 |
| GE 800 | 61.7 | 78.9 | 83.5 | 85.5 | 86.5 | 86.9 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 |
| GE 700 | 61.7 | 78.9 | 83.8 | 85.8 | 86.8 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 |
| GE 600 | 61.7 | 78.9 | 83.9 | 86.2 | 87.1 | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 |
| GE 500 | 61.7 | 78.9 | 83.8 | 86.3 | 87.2 | 87.6 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 |
| GE 300 | 61.7 | 78.9 | 83.8 | 86.8 | 87.2 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 |
| GE 200 | 61.7 | 78.9 | 83.8 | 86.8 | 87.2 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 |
| GE 100 | 61.7 | 78.9 | 83.8 | 86.9 | 87.2 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 |
| GE 0 | 61.7 | 78.9 | 83.8 | 86.9 | 87.2 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 |

TOTAL NUMBER OF OBSERVATIONS: 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS: 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 40.0 | 44.6 | 44.9 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| GE 20000 | 45.0 | 50.8 | 51.4 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 18000 | 46.0 | 51.4 | 52.0 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| GE 16000 | 46.0 | 51.4 | 52.0 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| GE 14000 | 46.6 | 52.2 | 52.8 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| GE 12000 | 47.6 | 53.3 | 53.9 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| GE 10000 | 49.9 | 55.8 | 56.5 | 56.7 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 9000 | 50.0 | 55.9 | 56.6 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| GE 8000 | 52.5 | 59.2 | 60.0 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 7000 | 53.0 | 59.9 | 61.2 | 61.4 | 61.4 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| GE 6000 | 59.2 | 61.2 | 62.5 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 5000 | 55.1 | 62.4 | 63.9 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 4500 | 56.1 | 63.1 | 64.6 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 4000 | 60.0 | 64.9 | 66.5 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 3500 | 64.1 | 68.1 | 70.5 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 3000 | 67.1 | 70.9 | 73.9 | 74.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 2500 | 67.0 | 80.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 2000 | 68.1 | 82.2 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 1800 | 68.3 | 82.2 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 1500 | 68.3 | 82.2 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 1200 | 68.7 | 84.2 | 86.6 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1000 | 68.8 | 84.8 | 87.5 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 900 | 68.8 | 85.8 | 88.3 | 89.8 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 800 | 68.8 | 85.8 | 88.3 | 89.8 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 700 | 68.8 | 85.7 | 88.8 | 90.5 | 90.5 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 600 | 68.8 | 85.7 | 88.8 | 90.6 | 90.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 500 | 68.8 | 85.7 | 88.9 | 90.6 | 90.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 400 | 68.8 | 85.7 | 89.0 | 90.7 | 90.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 300 | 68.8 | 85.7 | 89.0 | 90.7 | 90.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 200 | 68.8 | 85.7 | 89.0 | 90.7 | 90.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 100 | 68.8 | 85.7 | 89.0 | 90.7 | 90.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 0 | 40.0 | 44.6 | 44.9 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |

TOTAL NUMBER OF OBSERVATIONS: 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 38.8 | 43.7 | 44.2 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| GE 20000 | 45.2 | 49.9 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 18000 | 45.2 | 50.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| GE 16000 | 45.9 | 50.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| GE 14000 | 47.0 | 52.1 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| GE 12000 | 48.7 | 54.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 10000 | 49.8 | 55.9 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| GE 9000 | 50.3 | 56.8 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 8000 | 50.2 | 57.6 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 7000 | 50.3 | 58.2 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 6000 | 50.8 | 58.9 | 59.3 | 59.3 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 5000 | 50.6 | 58.3 | 58.6 | 58.6 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| GE 4500 | 50.7 | 57.6 | 58.3 | 58.3 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 4000 | 50.7 | 72.2 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 3500 | 50.6 | 70.8 | 70.6 | 70.6 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 3000 | 51.4 | 71.1 | 71.7 | 71.7 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 2500 | 50.7 | 62.0 | 63.3 | 63.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| GE 2000 | 49.5 | 60.3 | 61.1 | 61.1 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 1800 | 49.6 | 60.8 | 61.3 | 61.3 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 1600 | 49.8 | 60.3 | 60.2 | 60.2 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 1400 | 49.9 | 60.4 | 60.0 | 60.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 1200 | 49.9 | 60.9 | 60.3 | 60.3 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 1000 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 900 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 800 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 700 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 600 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 500 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 400 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 300 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 200 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 100 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 0 | 49.9 | 60.9 | 60.3 | 60.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |

TOTAL NUMBER OF OBSERVATIONS: 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84

MONTH: NOV HOURS: 1100-1800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-------------------------------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/16 | GE 1/4 | GE 0 | |
| NO CEIL | 42.1 | 50.2 | 51.2 | 51.2 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | |
| GE 20000 | 45.2 | 54.1 | 55.2 | 55.2 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | |
| GE 18000 | 45.2 | 54.1 | 55.2 | 55.2 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | |
| GE 16000 | 45.2 | 54.1 | 55.2 | 55.2 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | |
| GE 14000 | 45.3 | 54.5 | 55.6 | 55.6 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | |
| GE 12000 | 46.3 | 55.8 | 57.0 | 57.0 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | |
| GE 10000 | 47.1 | 57.6 | 58.7 | 58.7 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | |
| GE 9000 | 47.8 | 58.8 | 59.7 | 59.7 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | |
| GE 8000 | 50.2 | 62.0 | 63.2 | 63.2 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | |
| GE 7000 | 50.8 | 62.6 | 63.8 | 63.8 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | |
| GE 6000 | 50.6 | 62.8 | 64.0 | 64.0 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | |
| GE 5000 | 52.7 | 65.3 | 66.7 | 66.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | |
| GE 4500 | 55.2 | 68.0 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | |
| GE 4000 | 58.9 | 73.4 | 74.8 | 74.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | |
| GE 3500 | 61.8 | 77.3 | 78.7 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | |
| GE 3000 | 62.4 | 80.4 | 82.2 | 82.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | |
| GE 2500 | 62.8 | 82.6 | 84.1 | 84.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | |
| GE 2000 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1800 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1600 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1400 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1200 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 1000 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 900 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 800 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 700 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 600 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 500 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 400 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 300 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 200 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 100 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| GE 0 | 63.6 | 84.7 | 86.2 | 86.2 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | |
| TOTAL NUMBER OF OBSERVATIONS: | | 514 | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 514

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84

MONTH: DEC HOURS: 1511 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|-----------|------------|------------|------------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 1/2 | GE 1/4 | GE 1/8 | GE 1/16 | GE 1/32 | GE 1/64 | GE 0 |
| NO CEIL | 36.8 | 44.8 | 48.5 | 48.5 | 46.3 | 46.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| GE 20000 | 39.5 | 48.2 | 48.9 | 48.9 | 49.8 | 50.0 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.5 |
| GE 18000 | 40.2 | 48.8 | 49.5 | 49.5 | 50.5 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 51.1 |
| GE 16000 | 40.2 | 48.9 | 49.5 | 49.5 | 50.6 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 51.1 |
| GE 14000 | 40.5 | 49.8 | 50.0 | 50.0 | 51.0 | 51.1 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.6 |
| GE 12000 | 41.1 | 50.0 | 51.5 | 51.5 | 52.9 | 52.9 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 53.1 |
| GE 10000 | 43.9 | 54.0 | 55.5 | 55.5 | 56.5 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 57.1 |
| GE 9000 | 44.7 | 55.8 | 56.6 | 56.6 | 57.6 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 58.2 |
| GE 8000 | 46.6 | 59.0 | 60.3 | 60.5 | 62.3 | 62.8 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.2 |
| GE 7000 | 48.5 | 61.6 | 62.8 | 62.7 | 64.5 | 64.7 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.5 |
| GE 6000 | 49.7 | 62.9 | 63.8 | 63.8 | 65.1 | 65.5 | 65.8 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.3 |
| GE 5000 | 49.7 | 63.5 | 64.8 | 64.8 | 66.6 | 66.8 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.6 |
| GE 4500 | 49.8 | 64.0 | 65.2 | 65.5 | 67.1 | 67.4 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 68.2 |
| GE 4000 | 50.6 | 65.0 | 66.9 | 67.3 | 69.0 | 69.2 | 69.5 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 70.0 |
| GE 3500 | 51.1 | 65.1 | 68.4 | 68.7 | 70.5 | 70.6 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.5 |
| GE 3000 | 52.1 | 69.8 | 70.6 | 71.0 | 73.2 | 73.9 | 74.2 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.7 |
| GE 2500 | 53.1 | 71.1 | 72.4 | 72.9 | 75.3 | 75.5 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.1 |
| GE 2000 | 53.8 | 73.7 | 73.8 | 74.1 | 78.0 | 78.2 | 80.5 | 80.8 | 80.8 | 80.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.5 |
| GE 1800 | 54.6 | 74.0 | 76.1 | 76.9 | 79.8 | 80.0 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 82.0 |
| GE 1600 | 55.7 | 74.7 | 76.8 | 77.6 | 80.5 | 80.6 | 82.1 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 83.2 |
| GE 1400 | 55.2 | 74.1 | 78.4 | 78.4 | 82.4 | 82.9 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 85.0 |
| GE 1200 | 55.2 | 74.9 | 79.2 | 80.2 | 83.4 | 83.5 | 85.0 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.7 |
| GE 1000 | 55.2 | 74.9 | 79.2 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 900 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 800 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 700 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 600 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 500 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 400 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 300 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 200 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE 100 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 83.8 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |
| GE | Q1 | 55.2 | 74.9 | 79.4 | 80.3 | 83.5 | 85.1 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.2 |

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS: 01-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 10 | 5 | 3 | 2 | 1 1/2 | 1 | 3/4 | 1/2 | 1/4 | 1/8 | 1/16 | 1/32 | 1/64 | 1/128 | 1/256 | 1/512 | 0 |
| NO CEIL | 80.1 | 49.1 | 49.6 | 48.8 | 48.9 | 48.9 | 48.1 | 48.1 | 48.1 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 |
| GE 20000 | 44.2 | 49.0 | 49.5 | 50.1 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.4 | 50.5 | 50.5 | 50.5 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 18000 | 44.6 | 49.6 | 50.1 | 50.7 | 50.8 | 50.8 | 50.9 | 50.9 | 50.9 | 51.0 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 16000 | 45.3 | 50.3 | 50.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 |
| GE 14000 | 46.3 | 51.8 | 52.4 | 53.0 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.3 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| GE 12000 | 50.5 | 56.2 | 56.6 | 57.2 | 57.8 | 57.8 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.9 | 57.9 | 57.9 |
| GE 10000 | 51.5 | 57.3 | 57.8 | 58.5 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.8 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 8000 | 54.1 | 61.9 | 62.8 | 63.2 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 7000 | 55.8 | 63.2 | 63.2 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 6000 | 56.8 | 64.8 | 65.0 | 67.0 | 67.0 | 67.0 | 68.0 | 68.0 | 68.0 | 68.1 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 5000 | 57.0 | 65.7 | 66.7 | 67.8 | 68.1 | 68.1 | 68.8 | 68.8 | 68.8 | 68.9 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 4500 | 57.1 | 65.8 | 67.1 | 68.2 | 68.7 | 68.7 | 69.2 | 69.2 | 69.2 | 69.3 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 4000 | 58.1 | 67.8 | 69.0 | 70.0 | 71.1 | 71.1 | 71.6 | 71.6 | 71.6 | 71.7 | 71.9 | 71.9 | 71.9 | 72.0 | 72.1 | 72.1 | 72.1 |
| GE 3500 | 59.7 | 70.2 | 71.1 | 72.8 | 72.8 | 72.8 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 3000 | 61.6 | 72.0 | 73.0 | 74.2 | 75.6 | 75.6 | 76.2 | 76.2 | 76.2 | 76.3 | 76.4 | 76.4 | 76.4 | 76.6 | 76.7 | 76.7 | 76.7 |
| GE 2500 | 62.8 | 74.3 | 76.2 | 77.5 | 78.1 | 78.1 | 78.8 | 78.8 | 78.8 | 78.9 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 2000 | 63.2 | 75.5 | 77.5 | 78.7 | 79.8 | 79.8 | 80.5 | 80.5 | 80.5 | 80.6 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 1800 | 63.2 | 75.5 | 77.6 | 78.8 | 79.8 | 79.8 | 80.6 | 81.1 | 81.1 | 81.2 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 1600 | 63.3 | 76.1 | 78.3 | 79.9 | 81.1 | 81.1 | 82.0 | 82.0 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 1400 | 63.3 | 76.9 | 79.3 | 81.1 | 82.1 | 82.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 1200 | 63.3 | 76.9 | 79.3 | 81.1 | 82.1 | 82.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 1000 | 63.7 | 78.2 | 80.8 | 82.7 | 84.2 | 84.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 900 | 63.7 | 78.6 | 81.1 | 83.1 | 84.8 | 84.8 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 800 | 63.7 | 78.6 | 81.2 | 83.3 | 84.9 | 84.9 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 700 | 63.7 | 78.7 | 81.8 | 83.7 | 85.3 | 85.3 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 600 | 63.7 | 78.7 | 81.8 | 83.7 | 85.3 | 85.3 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 500 | 63.7 | 78.7 | 81.4 | 83.7 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 400 | 63.7 | 78.7 | 81.4 | 83.7 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 300 | 63.7 | 78.7 | 81.4 | 83.7 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 200 | 63.7 | 78.7 | 81.4 | 83.7 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 100 | 63.7 | 78.7 | 81.4 | 83.7 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 0 | 63.7 | 78.7 | 81.4 | 83.7 | 85.6 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |

TOTAL NUMBER OF OBSERVATIONS: 821

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(1511): 1200-1400

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-89
MONTH: DEC HOURS: 1511-1600-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 5 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | | 92.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 20000 | | 87.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 18000 | | 88.6 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 16000 | | 88.8 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 14000 | | 89.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 12000 | | 92.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 10000 | | 89.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 9000 | | 85.6 | 80.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 8000 | | 89.1 | 84.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 7000 | | 80.8 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.8 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 6000 | | 80.9 | 87.6 | 87.9 | 87.9 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 5000 | | 82.2 | 89.1 | 89.5 | 89.6 | 90.8 | 90.8 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 4500 | | 82.7 | 89.2 | 90.2 | 90.4 | 91.1 | 91.1 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 4000 | | 84.4 | 92.2 | 92.1 | 92.8 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 3500 | | 86.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 3000 | | 87.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | | 87.7 | 97.7 | 99.1 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2000 | | 88.7 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1800 | | 88.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1600 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1400 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 01 | | 88.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS: 783

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FT DEVENS AAF MA

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS: 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|
| | GE 10 | GE 5 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 1/8 | GE 0 | GE 0 | GE 0 |
| NO CEIL | 45.9 | 61.3 | 61.5 | 61.6 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| GE 20000 | 49.1 | 55.5 | 55.7 | 55.7 | 55.7 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 18000 | 49.1 | 55.5 | 55.7 | 55.7 | 55.7 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 16000 | 49.6 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 14000 | 49.8 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| GE 12000 | 50.9 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| GE 10000 | 52.6 | 61.1 | 61.4 | 61.4 | 61.4 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GE 9000 | 52.8 | 61.8 | 61.6 | 61.6 | 61.6 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 8000 | 55.8 | 66.2 | 66.6 | 66.6 | 66.6 | 66.6 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 7000 | 56.6 | 67.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 6000 | 56.8 | 67.9 | 68.3 | 68.3 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 5000 | 57.2 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 4500 | 57.2 | 69.2 | 70.1 | 70.1 | 70.1 | 70.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 4000 | 59.8 | 71.6 | 72.6 | 72.6 | 72.6 | 72.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 3500 | 60.2 | 72.2 | 72.6 | 72.6 | 72.6 | 72.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 3000 | 62.2 | 77.6 | 79.0 | 79.0 | 79.0 | 79.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2500 | 62.2 | 78.6 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2000 | 62.2 | 78.6 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 1800 | 62.2 | 78.6 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 1600 | 62.2 | 80.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 1400 | 62.2 | 80.3 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 1200 | 62.2 | 80.3 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 1000 | 63.1 | 80.8 | 82.5 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 900 | 63.1 | 81.0 | 82.8 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 800 | 63.1 | 81.0 | 83.0 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 700 | 63.1 | 81.2 | 83.2 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 600 | 63.1 | 81.2 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 500 | 63.1 | 81.2 | 83.6 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 400 | 63.1 | 81.2 | 83.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 300 | 63.1 | 81.2 | 83.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 200 | 63.1 | 81.2 | 83.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 100 | 63.1 | 81.2 | 83.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE | 63.1 | 81.2 | 83.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |

TOTAL NUMBER OF OBSERVATIONS: 654

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover and total number of observations. It is presented by month and available 3-hour groups.

NOTES: 1. Some sources of punched data used for this summary report cloud amounts in eights. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in eights. The manner of conversion is given below:

| <u>EIGHTS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

2. For Airways stations the symbols of clear, scattered, broken, overcast, and obscured were used as input for the total sky cover.

Clear was converted to 0/10
Scattered was converted to 3/10
Broken was converted to 9/10
Overcast was converted to 10/10
Obscured was converted to 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
PERIOD

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| JAN | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | 16.2 | | | 26.2 | | | | | | 19.3 | 38.2 | 6.4 667 |
| | 09-11 | 13.0 | | | 26.5 | | | | | | 20.0 | 40.5 | 6.6 894 |
| | 12-14 | 11.1 | | | 27.6 | | | | | | 21.0 | 40.3 | 6.8 885 |
| | 15-17 | 9.5 | | | 29.6 | | | | | | 23.1 | 37.8 | 6.7 859 |
| | 18-20 | 17.4 | | | 34.7 | | | | | | 14.5 | 33.4 | 5.7 524 |
| | 21-23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 13.4 | | | 28.9 | | | | | | 19.6 | 38.0 | 6.4 3829 |

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

FEB

100

[illegible]

SKY COVER

MAR

SAF 025

5. **What is the purpose of the study?**

848-00

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN PERCENTAGE OF SKY COVER | TOTAL NUMBER OF OBSERVATIONS | |
|--------|--------------|---|---|------|------|---|---|---|---|------|------|------------------------------------|------------------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAR | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 12.1 | | | 23.8 | | | | | | 20.4 | 43.7 | 6.9 | 741 |
| | 09-11 | 8.4 | | | 27.5 | | | | | | 22.3 | 41.8 | 7.0 | 925 |
| | 12-14 | 8.6 | | | 26.0 | | | | | | 23.6 | 41.8 | 7.1 | 923 |
| | 15-17 | 8.3 | | | 27.8 | | | | | | 24.0 | 39.9 | 7.0 | 889 |
| | 18-20 | 9.3 | | | 36.4 | | | | | | 18.4 | 36.0 | 6.3 | 539 |
| | 21-23 | | | | | | | | | | | | | |
| TOTALS | 9.3 | | | 28.3 | | | | | | 21.7 | 40.6 | 6.9 | 4017 | |

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

APR

— 25 —

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| APR | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 11.3 | | | 25.5 | | | | | | 21.6 | 41.7 | 6.9 | 746 |
| | 09-11 | 8.6 | | | 27.0 | | | | | | 22.3 | 42.1 | 7.0 | 879 |
| | 12-14 | 5.2 | | | 26.3 | | | | | | 27.2 | 41.3 | 7.4 | 882 |
| | 15-17 | 4.8 | | | 26.3 | | | | | | 27.2 | 41.7 | 7.4 | 868 |
| | 18-20 | 6.3 | | | 29.8 | | | | | | 22.9 | 41.0 | 7.1 | 507 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 7.2 | | | 27.0 | | | | | | 24.2 | 41.6 | 7.2 | 3882 |

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAY
MON

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAY | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 10.4 | | | 25.8 | | | | | | 24.2 | 39.6 | 6.9 | 894 |
| | 09-11 | 6.2 | | | 28.8 | | | | | | 27.2 | 37.8 | 7.1 | 897 |
| | 12-14 | 4.1 | | | 27.3 | | | | | | 31.3 | 37.2 | 7.4 | 894 |
| | 15-17 | 4.2 | | | 24.8 | | | | | | 32.4 | 38.6 | 7.5 | 874 |
| | 18-20 | 4.4 | | | 28.5 | | | | | | 28.5 | 38.5 | 7.3 | 410 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 5.9 | | | 27.0 | | | | | | 28.7 | 38.3 | 7.2 | 3969 |

SKY COVER

JUN

Summary

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUN | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 10.3 | | | 36.1 | | | | | | 16.5 | 37.1 | 6.3 | 895 |
| | 09-11 | 5.2 | | | 35.0 | | | | | | 26.7 | 33.1 | 6.8 | 898 |
| | 12-14 | 1.6 | | | 32.6 | | | | | | 32.8 | 33.1 | 7.2 | 900 |
| | 15-17 | 1.8 | | | 37.0 | | | | | | 31.1 | 30.1 | 6.9 | 890 |
| | 18-20 | 4.6 | | | 37.6 | | | | | | 29.1 | 28.6 | 6.6 | 433 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 4.7 | | | 35.7 | | | | | | 27.2 | 32.4 | 6.8 | 4016 |

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

JUL

PERIOD

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 11.5 | | | 34.2 | | | | | | 24.1 | 30.3 | 6.2 | 881 |
| | 09-11 | 5.5 | | | 38.1 | | | | | | 28.6 | 27.9 | 6.5 | 896 |
| | 12-14 | 2.5 | | | 38.8 | | | | | | 33.5 | 25.3 | 6.7 | 895 |
| | 15-17 | 1.3 | | | 40.9 | | | | | | 34.3 | 23.5 | 6.7 | 880 |
| | 18-20 | 5.7 | | | 37.4 | | | | | | 32.9 | 24.1 | 6.5 | 423 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 5.3 | | | 37.9 | | | | | | 30.7 | 26.2 | 6.5 | 3975 |

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

744906

FT DEVENS AAF MA

75-84

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| AUG | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 11.3 | | | 29.2 | | | | | | 23.3 | 36.2 | 6.6 | 901 |
| | 09-11 | 8.0 | | | 30.9 | | | | | | 27.0 | 34.1 | 6.8 | 923 |
| | 12-14 | 1.6 | | | 36.0 | | | | | | 29.7 | 32.7 | 7.0 | 929 |
| | 15-17 | 1.2 | | | 38.4 | | | | | | 29.0 | 31.3 | 6.9 | 913 |
| | 18-20 | 3.1 | | | 35.9 | | | | | | 29.9 | 31.0 | 6.9 | 440 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 5.0 | | | 34.1 | | | | | | 27.8 | 33.1 | 6.8 | 4114 |

USAFETAC

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

SEP

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| SEP | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 14.8 | | | 34.1 | | | | | | 19.2 | 31.9 | 5.9 | 807 |
| | 09-11 | 8.3 | | | 37.6 | | | | | | 26.2 | 27.8 | 6.3 | 869 |
| | 12-14 | 4.1 | | | 36.9 | | | | | | 31.3 | 27.6 | 6.7 | 868 |
| | 15-17 | 5.9 | | | 39.5 | | | | | | 24.9 | 29.7 | 6.4 | 835 |
| | 18-20 | 12.0 | | | 37.8 | | | | | | 24.0 | 26.3 | 5.9 | 392 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 9.0 | | | 37.2 | | | | | | 25.1 | 28.7 | 6.2 | 3811 |

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SKY COVER

744906

FT DEVENS AAF MA

75-84

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS | | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|------|--|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 | |
| OCT | 00-02 | | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | | |
| | 06-08 | 12.0 | | | 29.4 | | | | | | 22.1 | 36.5 | 6.5 | 843 | |
| | 09-11 | 10.7 | | | 31.3 | | | | | | 22.9 | 35.1 | 6.5 | 890 | |
| | 12-14 | 7.2 | | | 31.3 | | | | | | 28.0 | 33.5 | 6.8 | 883 | |
| | 15-17 | 8.9 | | | 33.5 | | | | | | 24.9 | 32.7 | 6.5 | 877 | |
| | 18-20 | 14.1 | | | 35.4 | | | | | | 20.8 | 29.6 | 5.9 | 432 | |
| | 21-23 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| TOTALS | | 10.6 | | | 32.2 | | | | | | 23.7 | 33.5 | 6.4 | 3925 | |

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84

PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| NOV | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 12.4 | | | 29.4 | | | | | | 21.8 | 36.3 | 6.5 | 619 |
| | 09-11 | 8.2 | | | 28.6 | | | | | | 26.3 | 37.0 | 6.9 | 830 |
| | 12-14 | 5.8 | | | 31.4 | | | | | | 28.0 | 38.8 | 6.9 | 830 |
| | 15-17 | 6.6 | | | 30.2 | | | | | | 27.5 | 38.7 | 7.0 | 821 |
| | 18-20 | 15.1 | | | 29.7 | | | | | | 19.2 | 36.0 | 6.2 | 516 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 9.6 | | | 29.9 | | | | | | 24.6 | 36.0 | 6.7 | 3616 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| DEC | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 14.9 | | | 26.2 | | | | | | 20.5 | 38.4 | 6.5 | 619 |
| | 09-11 | 9.3 | | | 28.9 | | | | | | 22.3 | 39.6 | 6.8 | 821 |
| | 12-14 | 6.6 | | | 28.9 | | | | | | 22.0 | 42.5 | 7.1 | 804 |
| | 15-17 | 8.0 | | | 30.4 | | | | | | 22.5 | 39.1 | 6.8 | 783 |
| | 18-20 | 18.8 | | | 28.8 | | | | | | 15.5 | 36.9 | 5.9 | 458 |
| | 21-23 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 11.5 | | | 28.6 | | | | | | 20.6 | 39.3 | 6.6 | 3485 |

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PSYCHROMETRIC SUMMARIES

PART 4

In this section are presented various summaries of dry and wet-bulb temperatures, dewpoints, and relative humidity. The order and manner of representations follows:

1. Cumulative percentage frequency of occurrence--Derived from available hourly observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths, of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily HIGH temperatures (for available observations)
- b. Daily LOW temperatures (for available observations)
- c. Daily mean temperatures (high + low temperatures divided by two)

2. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and available 3-hour groups with all years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations which contain both dry-bulb and wet-bulb temperatures; and dry-bulb, wet-bulb, and dewpoint temperatures separately. Total observations for these four items are also provided in two lines at the end of each table.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dewpoint temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dewpoint temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

Continued on Reverse

3. Means and standard deviations--These tabulations are derived from available hourly observations and present the mean, standard deviation, and total number of observations for the 3-hour groups, by month and annual and again at the bottom for all hours combine. Summaries for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, AND DEWPOINT TEMPERATURE.

4. Cumulative percentage frequency of occurrence of relative humidity--This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10 percent classes, plus the mean relative humidity and total number of observations presented by month and available 3-hour groups.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
744905 FT DEVENS AAF MA

DAILY TEMPERATURES

61-63, 74-84

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|
| 100 | | | | | | | .5 | .5 | | | | | .1 |
| 95 | | | | .3 | .8 | .8 | 5.4 | 7.7 | | | | | .7 |
| 90 | | | | 1.1 | 2.3 | 9.3 | 19.6 | 7.7 | 1.8 | | | | 3.6 |
| 85 | | | .3 | 2.1 | 8.4 | 25.4 | 46.6 | 31.7 | 7.5 | .3 | | | 10.5 |
| 80 | | | | 4.8 | 19.1 | 50.0 | 70.9 | 57.1 | 19.1 | 1.6 | | | 19.2 |
| 75 | | | 1.0 | 8.5 | 36.3 | 69.9 | 88.4 | 77.1 | 39.9 | 7.4 | .3 | | 28.3 |
| 70 | | | 3.1 | 14.8 | 53.3 | 85.8 | 97.7 | 89.5 | 58.0 | 19.5 | 3.6 | | 36.5 |
| 65 | | .3 | 6.9 | 25.9 | 69.5 | 92.0 | 99.5 | 94.8 | 76.9 | 34.3 | 9.9 | 1.9 | 43.8 |
| 60 | | 2.0 | 10.2 | 39.7 | 84.1 | 95.9 | 100.0 | 99.0 | 91.5 | 53.0 | 19.2 | 3.3 | 51.1 |
| 55 | 1.7 | 4.9 | 16.3 | 57.1 | 90.9 | 99.0 | | 100.0 | 97.7 | 72.0 | 33.0 | 6.3 | 57.8 |
| 50 | 2.8 | 9.2 | 28.3 | 74.6 | 96.6 | 100.0 | | | 100.0 | 86.3 | 49.7 | 9.8 | 64.3 |
| 45 | 7.2 | 17.2 | 50.3 | 87.0 | 99.2 | | | | | 97.1 | 70.1 | 20.8 | 71.8 |
| 40 | 16.9 | 31.8 | 68.6 | 96.8 | 100.0 | | | | | 98.9 | 86.3 | 40.4 | 79.2 |
| 35 | 36.6 | 51.9 | 85.2 | 99.2 | | | | | | 100.0 | 96.4 | 60.9 | 86.5 |
| 30 | 57.3 | 72.2 | 94.6 | 99.5 | | | | | | | 98.6 | 79.8 | 92.2 |
| 25 | 75.6 | 87.4 | 98.7 | 99.7 | | | | | | | 99.7 | 90.4 | 96.2 |
| 20 | 88.1 | 95.4 | 100.0 | 100.0 | | | | | | | 100.0 | 95.6 | 98.3 |
| 15 | 95.6 | 98.6 | | | | | | | | | | 98.6 | 99.4 |
| 10 | 98.9 | 100.0 | | | | | | | | | | 99.7 | 99.9 |
| 5 | 99.7 | | | | | | | | | | | 100.0 | 100.0 |
| 0 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 31.1 | 35.6 | 45.1 | 57.4 | 70.0 | 78.3 | 83.4 | 79.9 | 71.5 | 60.5 | 50.3 | 37.3 | 58.4 |
| S D | 9.555 | 10.163 | 10.755 | 11.672 | 10.728 | 8.862 | 7.093 | 7.786 | 8.744 | 9.449 | 10.006 | 10.448 | 20.083 |
| TOTAL OBS | 361 | 349 | 392 | 378 | 383 | 386 | 388 | 401 | 398 | 379 | 364 | 366 | 4545 |

JOINT CLIMATOLOGY BRANCH
USAFETAC

43 WEATHER SERVICE/MAL
744905 ST DEVEN'S AFB CA
STATION STATION NAME

DAILY TEMPERATURES

61-63, 74-84

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 75 | | | | | | | .3 | .2 | | | | | .5 |
| 74 | | | | | | | 4.6 | 1.2 | | | | | .6 |
| 73 | | | | | | | 15.7 | 17.3 | 9.5 | 1.6 | | | 3.0 |
| 72 | | | | | | | 42.6 | 72.4 | 4.7 | | | | 1.9 |
| 71 | | | | 1.1 | 11.2 | 43.5 | 69.6 | 55.4 | 16.4 | 2.7 | 1.1 | | 17.4 |
| 70 | | | | 4.4 | 26.4 | 65.0 | 38.7 | 74.8 | 36.7 | 11.2 | 3.0 | .8 | 26.7 |
| 69 | | | 1.5 | 10.3 | 47.8 | 77.3 | 95.1 | 90.8 | 57.3 | 22.5 | 8.2 | | 30.3 |
| 68 | | | 3.5 | 23.1 | 70.1 | 96.4 | 99.7 | 95.0 | 73.9 | 48.7 | 14.0 | 2.2 | 44.6 |
| 67 | 1.9 | 7.0 | 10.2 | 43.9 | 84.6 | 100.0 | 100.0 | 95.8 | 87.3 | 58.2 | 27.8 | 5.5 | 52.8 |
| 66 | 5.5 | 7.2 | 27.6 | 70.0 | 96.6 | | | 100.0 | 95.3 | 74.5 | 49.2 | 13.9 | 62.6 |
| 65 | 9.4 | 15.2 | 37.2 | 81.4 | 98.4 | | | | 98.7 | 82.4 | 57.1 | 18.9 | 67.5 |
| 64 | 16.3 | 24.4 | 53.1 | 90.5 | 100.0 | | | | 99.7 | 91.5 | 68.7 | 35.2 | 74.1 |
| 63 | 26.9 | 35.0 | 73.2 | 97.6 | | | | | 100.0 | 98.6 | 88.5 | 53.0 | 81.7 |
| 62 | 42.7 | 51.0 | 84.9 | 96.9 | | | | | | 100.0 | 97.0 | 65.8 | 87.2 |
| 61 | 56.0 | 63.0 | 92.9 | 99.5 | | | | | | | 99.7 | 76.8 | 91.0 |
| 60 | 67.3 | 75.1 | 95.9 | 100.0 | | | | | | | 100.0 | 86.3 | 94.2 |
| 59 | 83.7 | 84.8 | 99.0 | | | | | | | | | 93.7 | 96.9 |
| 58 | 92.2 | 92.3 | 100.0 | | | | | | | | | 97.5 | 98.6 |
| 57 | 97.8 | 96.3 | | | | | | | | | | 98.4 | 99.4 |
| 56 | 98.9 | 99.1 | | | | | | | | | | 99.7 | 99.8 |
| 55 | 99.7 | 99.7 | | | | | | | | | | 100.0 | 100.0 |
| 54 | 100.0 | 100.0 | | | | | | | | | | | 100.0 |
| 53 | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
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| 4 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |
| MEAN | 16.5 | 10.6 | 29.1 | 39.5 | 49.5 | 58.5 | 62.9 | 50.1 | 50.7 | 41.9 | 34.8 | 23.4 | 45.3 |
| S D | 11.985 | 12.715 | 9.390 | 8.078 | 8.389 | 7.166 | 6.834 | 7.633 | 9.104 | 9.392 | 9.302 | 11.631 | 18.116 |
| TOTAL OBS | 351 | 349 | 352 | 377 | 383 | 386 | 338 | 451 | 379 | 364 | 364 | 366 | 4510 |

DAILY TEMPERATURES

STATION NAME
STATION NAME

1-67, 74-78 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
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| 99 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| MEAN | 24.5 | 27.3 | 37.4 | 48.5 | 56.7 | 63.4 | 73.4 | 77.5 | 61.1 | 51.3 | 42.8 | 30.0 | 47.6 |
| S.D. | 10.0 | 10.4 | 7.1 | 5.1 | 3.7 | 3.0 | 2.0 | 1.2 | 1.6 | 2.2 | 2.8 | 3.4 | 3.9 |
| TOTAL OBS | 361 | 349 | 392 | 377 | 387 | 396 | 348 | 401 | 377 | 364 | 364 | 366 | 411 |

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1949-50
STATION

FIL DEVEN AAF MA
STATION NAME

61-63, 74-84

YEARS

WOLF DEGREES FAHRENHEIT

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|------|------|--------|-------|------|-------|------|-------|------|------|------|------|---------------|
| 1 | | | | | | | | | * | 91* | 91 | 74 | 54 |
| 2 | | 61 | 65 | 77 | 81 | 90 | 91 | 92 | 91 | 80 | 79 | 66 | 96 |
| 3 | | 44 | 48 | 71 | 71 | 76 | 95 | 100* | 85* | 85 | | | |
| 4 | * | 58* | 58* | 60* | 67* | 80* | 95* | 92* | 92* | 86* | 77* | 75* | 95 |
| 5 | * | 45* | 54* | 53 | 70* | 94 | 93* | 93 | 102* | 79* | 93* | 74* | 102 |
| 6 | * | 72* | 60 | 74 | 81* | 80 | 93* | 92 | 93* | 86* | 76* | 65* | 95 |
| 7 | * | 77* | 47 | 36* | 56* | 91 | 87* | 96 | 94* | 80* | 75* | 74* | 96 |
| 8 | * | 52 | 59 | 60 | 75* | 9 | 92* | 95 | 89* | 87* | 78* | 74* | 95 |
| 9 | * | 50* | 54 | 77 | 8* | 90 | 93* | 98 | 91* | 86* | 97* | 72* | 98 |
| 10 | * | 54* | 52 | 62* | 75* | 80 | 94* | 90 | 92* | 93* | 74* | 61* | 96 |
| 11 | * | 40* | 64 | 75* | 74* | 91 | 99* | 100 | 95* | 87* | 75* | 66* | 100 |
| 12 | * | 49* | 50 | 73 | 84* | 87 | 88* | 90 | 89* | 85 | 77* | 74* | 98 |
| 13 | * | 54* | 50 | 61 | 83* | 70 | 92* | 93 | 93* | 94 | 90* | 65* | 94 |
| 14 | * | 48* | 52 | 53* | 79* | 85 | 93* | 91 | 90* | 83* | 76* | 67* | 93 |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
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| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | |
| MEAN | 60.0 | 46.7 | 69.4 | 81.3 | 91.1 | 92.3 | 96.2 | 92.5 | | 75.7 | 75.0 | 51.1 | 61.3 |
| S D | | | 15.131 | 8.944 | | 3.172 | | 3.725 | | | | | |
| TOTAL OBS | 341 | 349 | 392 | 378 | 343 | 386 | 388 | 401 | 398 | 379 | 364 | 366 | 4545 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

7449.5 FI DEVE AAF MA
STATION STATION NAME

61-63, 74-84 YEARS

WIDE DEGREES FAHRENHEIT

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|------|-------|-------|-------|------|-------|------|-------|-----|------|------|------|------------|
| YEAR | | | | | | | | | | | | | |
| 74 | -1 | -17 | 5 | 2 | 3 | 44 | 43 | 45 | 3 | 2 | 22 | 2 | -17 |
| 75 | -1 | -9 | 9 | 24 | 35 | 44 | 47 | 44 | 25 | 24 | 16 | -7 | -17 |
| 76 | -1 | -1 | 11 | 26 | 35 | 44 | 52 | 45 | 34 | 25 | 15 | 12 | -1 |
| 77 | -1 | -13 | 11 | 25 | 35 | 45 | 52 | 49 | 35 | 33 | 26 | 2 | -13 |
| 78 | -1 | -1 | 12 | 21 | 36 | 42 | 45 | 43 | 32 | 24 | 12 | -1 | -13 |
| 79 | -1 | -1 | 20 | 24 | 31 | 43 | 47 | 44 | 40 | 26 | 25 | -3 | -8 |
| 80 | -1 | -1 | 4 | 2 | 26 | 43 | 49 | 51 | 32 | 21 | 16 | -1 | -10 |
| 81 | -1 | -10 | 15 | 33 | 42 | 47 | 46 | 42 | 33 | 30 | 23 | 3 | -10 |
| 82 | -1 | -1 | 4 | 13 | 37 | 45 | 50 | 51 | 33 | 23 | 19 | -11 | -11 |
| 83 | -1 | -1 | 15 | 32 | 31 | 48 | 54 | 45 | 37 | 30 | 22 | 12 | -12 |
| 84 | -1 | -1 | 4 | 13 | 4 | 47 | 56 | 36 | 4 | 25 | 23 | 3 | -13 |
| 85 | -1 | -1 | 19 | 32 | 3 | 41 | 50 | 45 | 33 | 25 | 27 | 3 | -1 |
| 86 | -1 | -4 | 3 | 25 | 3 | 46 | 49 | 46 | 32 | 25 | 21 | 13 | -15 |
| 87 | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | |
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| 99 | | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | | |
| MEAN | -1.2 | -12.0 | 5.8 | 24.1 | 32.5 | 44.8 | 45.4 | 45.4 | | 24.7 | 19.3 | -2.5 | -2.5 |
| SD | | | 6.431 | 6.914 | | 2.667 | | 3.883 | | | | | |
| TOTAL OBS | 36 | 349 | 392 | 377 | 383 | 386 | 388 | 401 | 379 | 364 | 364 | 366 | 4510 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

N (AT LEAST ONE DAY LESS THAN 24 OBS.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|----|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | |
| 58/ 57 | | 1.0 | | | | | | | | | | | | | | | | | 7 | 7 | 1 | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 6 | 3 | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| 46/ 45 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | |
| 44/ 43 | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 1 | | | | | | |
| 42/ 41 | | .3 | | | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 2 | 1 | | | | | |
| 40/ 39 | .1 | .4 | .6 | .4 | .1 | | | | | | | | | | | | | | 12 | 12 | 3 | 4 | | | | | |
| 38/ 37 | | 1.6 | .3 | | | | | | | | | | | | | | | | 13 | 13 | 4 | 1 | | | | | |
| 36/ 35 | .1 | 3.3 | .3 | .4 | | | | | | | | | | | | | | | 28 | 28 | 19 | 6 | | | | | |
| 34/ 33 | .1 | 2.8 | .7 | .4 | | | | | | | | | | | | | | | 28 | 28 | 35 | 11 | | | | | |
| 32/ 31 | .3 | 3.0 | .9 | 1.3 | .1 | | | | | | | | | | | | | | 38 | 38 | 17 | 34 | | | | | |
| 30/ 29 | | .7 | 1.6 | .3 | | | | | | | | | | | | | | | 18 | 18 | 33 | 11 | | | | | |
| 28/ 27 | .3 | 2.5 | 2.7 | .4 | | | | | | | | | | | | | | | 40 | 40 | 16 | 19 | | | | | |
| 26/ 25 | .3 | 2.8 | 3.7 | .4 | | | | | | | | | | | | | | | 49 | 49 | 44 | 17 | | | | | |
| 24/ 23 | | 1.5 | 1.3 | .1 | | | | | | | | | | | | | | | 20 | 20 | 40 | 11 | | | | | |
| 22/ 21 | .3 | 2.7 | 2.7 | | | | | | | | | | | | | | | | 38 | 38 | 46 | 20 | | | | | |
| 20/ 19 | .4 | 5.7 | 1.0 | | | | | | | | | | | | | | | | 48 | 48 | 45 | 28 | | | | | |
| 18/ 17 | .3 | 2.8 | 1.0 | | | | | | | | | | | | | | | | 28 | 28 | 41 | 30 | | | | | |
| 16/ 15 | .6 | 3.7 | .6 | | | | | | | | | | | | | | | | 33 | 33 | 24 | 39 | | | | | |
| 14/ 13 | .4 | 2.8 | 1.0 | | | | | | | | | | | | | | | | 29 | 29 | 33 | 29 | | | | | |
| 12/ 11 | .7 | 4.2 | .7 | | | | | | | | | | | | | | | | 38 | 38 | 23 | 53 | | | | | |
| 10/ 9 | .7 | 4.2 | .3 | | | | | | | | | | | | | | | | 35 | 35 | 47 | 39 | | | | | |
| 8/ 7 | 1.3 | 3.0 | .3 | | | | | | | | | | | | | | | | 31 | 31 | 39 | 30 | | | | | |
| 6/ 5 | .7 | 3.0 | | | | | | | | | | | | | | | | | 25 | 25 | 28 | 22 | | | | | |
| 4/ 3 | .7 | 2.2 | | | | | | | | | | | | | | | | | 20 | 20 | 28 | 40 | | | | | |
| 2/ 1 | .6 | 4.3 | | | | | | | | | | | | | | | | | 33 | 33 | 25 | 32 | | | | | |
| 0/ -1 | .7 | .7 | | | | | | | | | | | | | | | | | 10 | 18 | 24 | 15 | | | | | |
| -2/ -3 | .7 | 1.5 | | | | | | | | | | | | | | | | | 15 | 15 | 14 | 25 | | | | | |
| -4/ -5 | 1.3 | .3 | | | | | | | | | | | | | | | | | 11 | 11 | 13 | 13 | | | | | |
| -6/ -7 | .6 | | | | | | | | | | | | | | | | | | 4 | 4 | 6 | 21 | | | | | |
| -8/ -9 | .3 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 19 | | | | | |
| -10/-11 | .3 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 19 | | | | | |
| -12/-13 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 12 | | | | | |
| -14/-15 | .3 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 14 | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0600-0800

0600-0800
HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| 16/-17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 12 | | | | | | | | | | | |
| 18/-19 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 14 | | | | | | | | | | | |
| 20/-21 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | |
| 22/-23 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| 24/-25 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| 28/-29 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| 30/-31 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 32/-33 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| TOTAL | 13.36 | 1.92 | 0.1 | 4.2 | .4 | | | | | | | | | | | | | 667 | 667 | 667 | 667 | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 3224734 | 45070 | 67.6 | 16.488 | 667 | | | | | | | 93 |
| Dry Bulb | 337142 | 12322 | 18.5 | 12.823 | 667 | 6.8 | 79.8 | | | | | 93 |
| Wet Bulb | 286102 | 11116 | 16.7 | 12.305 | 667 | 9.2 | 83.0 | | | | | 93 |
| Dew Point | 211051 | 5987 | 9.0 | 15.369 | 667 | 25.8 | 88.7 | | | | | 93 |

PSYCHROMETRIC SUMMARY

75-84

JAN

HOURS (L, S, T,)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

YEARS

JAN
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------------|-------------------------------------|------|------|------|-----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 10/-11 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 22 |
| 12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 26/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 3.0 | 43.9 | 39.3 | 11.5 | 2.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 892 | 894 | 892 | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum. | 3666072 | 55068 | 61.7 | 17.292 | 892 | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | |
| Dry Bulb | 618480 | 21448 | 24.0 | 10.748 | 894 | .8 | 73.4 | | | | | 93 |
| Wet Bulb | 497385 | 18925 | 21.2 | 10.373 | 892 | 1.7 | 68.3 | | | | | 93 |
| Dew Point | 310532 | 10704 | 12.0 | 14.295 | 892 | 16.8 | 87.2 | | | | | 93 |

PSYCHROMETRIC SUMMARY

JAN

YEARS

1200-1400

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN

YEARS

MONTH

1200-1400

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|------|------|------|------|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 10/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 1.6 | 23.8 | 35.6 | 28.1 | 10.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 885 | 885 | 885 | |
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PSYCHROMETRIC SUMMARY

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

JAN
MONTH

PAGE 2 1500-1700

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| 12/-13 | | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | |
| 14/-15 | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | |
| 16/-17 | | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | |
| 18/-19 | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | |
| 20/-21 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 26/-27 | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| TOTAL | 1.323 | 1.131 | 0.932 | 1.110 | 0 | 1.6 | | | | | | | | | | | | | 859 | 859 | | 859 | | | | | | | | | | |

| Element (X) | Σ X ² | Σ X | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|-------|--------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2802144 | 46332 | 53.918 | 796 | 859 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 785341 | 24739 | 28.8 | 9.215 | 859 | .2 | 60.4 | | | | | 93 |
| Wet Bulb | 590622 | 21200 | 24.7 | 8.864 | 859 | .3 | 73.7 | | | | | 93 |
| Dew Point | 312647 | 11163 | 13.0 | 13.976 | 859 | 16.3 | 87.6 | | | | | 93 |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-S (OL A)

FORM 44

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN

MONTH

1800-2000

HOURS (L, S, T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------------|-------------------------------------|------|------|----|-----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 2.130 | .942 | .421 | .2 | 3.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 524 | 524 | 524 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

FEB

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STATION NAME

YEARS

PAGE 2

0600-0800

HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | |
|-------------|-------------------------------------|------|------|-----|-----|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-----|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 30/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 11.6 | 53.4 | 28.6 | 4.9 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 611 | 611 | 611 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Element (X) | Z_x | Z_y | \bar{X} | \bar{Y} | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|---------|-------|-----------|-----------|----------|------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|
| Rel. Hum. | 3041508 | 41854 | 68.5 | 16.9 | 611 | $\leq 0\text{ F}$ | $\leq 32\text{ F}$ | $\geq 67\text{ F}$ | $\geq 73\text{ F}$ | $\geq 80\text{ F}$ | $\geq 93\text{ F}$ | Total |
| Dry Bulb | 412177 | 13807 | 22.6 | 12.8 | 611 | 4.7 | 63.7 | | | | | 84 |
| Wet Bulb | 348159 | 12519 | 20.5 | 12.2 | 611 | 5.6 | 68.9 | | | | | 84 |
| Dew Point | 250428 | 8056 | 13.2 | 15.3 | 611 | 17.2 | 76.7 | | | | | 84 |

FORM 0265 (OLA) 8-54 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

FEB

YEARS

HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | |
|-------------|-------------------------------------|-----|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | |
| 58/ 57 | | .1 | | .1 | | | | .1 | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | |
| 56/ 55 | | .1 | | | | | .1 | | | | | | | | | | | 2 | 2 | 1 | | | | | | | | | | | | | |
| 54/ 53 | | .5 | .1 | .2 | | | .2 | | | | | | | | | | | 9 | 9 | 2 | 2 | | | | | | | | | | | | |
| 52/ 51 | .1 | .4 | .1 | | | .4 | | | | | | | | | | | | 8 | 8 | 5 | 5 | | | | | | | | | | | | |
| 50/ 49 | | .7 | | .1 | .5 | | .1 | | | | | | | | | | | 12 | 12 | 8 | 1 | | | | | | | | | | | | |
| 48/ 47 | | .1 | .1 | .5 | .6 | .1 | .1 | | | | | | | | | | | 13 | 13 | 5 | 8 | | | | | | | | | | | | |
| 46/ 45 | .2 | .2 | .1 | .5 | .5 | .1 | | | | | | | | | | | | 14 | 14 | 4 | 4 | | | | | | | | | | | | |
| 44/ 43 | .1 | .6 | .6 | .4 | .5 | .1 | | | | | | | | | | | | 19 | 19 | 10 | 5 | | | | | | | | | | | | |
| 42/ 41 | .1 | .2 | .7 | 1.1 | 1.1 | | | | | | | | | | | | | 27 | 27 | 19 | 5 | | | | | | | | | | | | |
| 40/ 39 | .2 | 1.8 | 2.0 | 1.8 | 1.3 | .1 | | | | | | | | | | | | 60 | 60 | 19 | 8 | | | | | | | | | | | | |
| 38/ 37 | .1 | 1.2 | 2.1 | .9 | .2 | .2 | | | | | | | | | | | | 39 | 39 | 37 | 4 | | | | | | | | | | | | |
| 36/ 35 | .1 | 2.7 | 1.7 | 1.3 | .2 | | | | | | | | | | | | | 50 | 50 | 54 | 23 | | | | | | | | | | | | |
| 34/ 33 | .5 | 2.9 | 1.1 | 2.1 | .9 | .1 | | | | | | | | | | | | 62 | 62 | 62 | 26 | | | | | | | | | | | | |
| 32/ 31 | 1.0 | 1.8 | 2.3 | 3.2 | 1.2 | | | | | | | | | | | | | 78 | 78 | 59 | 52 | | | | | | | | | | | | |
| 30/ 29 | | 1.0 | 2.0 | 2.8 | .2 | | | | | | | | | | | | | 49 | 49 | 36 | 47 | | | | | | | | | | | | |
| 28/ 27 | | 1.2 | 2.7 | 2.9 | .1 | | | | | | | | | | | | | 57 | 57 | 48 | 42 | | | | | | | | | | | | |
| 26/ 25 | | 1.3 | 3.5 | 1.8 | | | | | | | | | | | | | | 55 | 55 | 67 | 27 | | | | | | | | | | | | |
| 24/ 23 | .1 | .6 | 1.5 | .7 | | | | | | | | | | | | | | 24 | 24 | 71 | 18 | | | | | | | | | | | | |
| 22/ 21 | | 1.1 | 4.5 | .7 | | | | | | | | | | | | | | 52 | 52 | 51 | 23 | | | | | | | | | | | | |
| 20/ 19 | .2 | 1.7 | 3.8 | 1.2 | | | | | | | | | | | | | | 57 | 57 | 55 | 52 | | | | | | | | | | | | |
| 18/ 17 | | 1.5 | 2.6 | .2 | | | | | | | | | | | | | | 35 | 35 | 50 | 38 | | | | | | | | | | | | |
| 16/ 15 | | 1.2 | 1.8 | .1 | | | | | | | | | | | | | | 26 | 26 | 44 | 37 | | | | | | | | | | | | |
| 14/ 13 | .1 | 1.2 | 1.2 | | | | | | | | | | | | | | | 21 | 21 | 31 | 38 | | | | | | | | | | | | |
| 12/ 11 | .1 | .6 | .5 | | | | | | | | | | | | | | | 10 | 10 | 26 | 49 | | | | | | | | | | | | |
| 10/ 9 | | .7 | .7 | | | | | | | | | | | | | | | 12 | 12 | 15 | 50 | | | | | | | | | | | | |
| 8/ 7 | .1 | .7 | .5 | | | | | | | | | | | | | | | 11 | 11 | 14 | 42 | | | | | | | | | | | | |
| 6/ 5 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 12 | 30 | | | | | | | | | | | | |
| 4/ 3 | | .7 | | | | | | | | | | | | | | | | 6 | 6 | 3 | 50 | | | | | | | | | | | | |
| 2/ 1 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 24 | | | | | | | | | | | | |
| 0/ -1 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 11 | | | | | | | | | | | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| Element (X) | Σ X ² | Σ X | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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PSYCHROMETRIC SUMMARY

FEB

YEARS

0900-1100

HOURS (L. S. T.)

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

PSYCHROMETRIC SUMMARY

FEB

YEARS

1200-1400

HOURS (1 5 7)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| -4/-5 | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | |
| -6/-7 | | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | |
| -8/-9 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| TOTAL | 3.2 | 13.4 | 19.7 | 32.0 | 7.6 | 9.2 | 3.1 | 0.0 | .4 | .1 | | | | | | | | 813 | 814 | 813 | 813 | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | X | C_A | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|------|--------|----------|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| | | | | | | $\leq 0^\circ F$ | $\leq 32^\circ F$ | $\geq 67^\circ F$ | $\geq 73^\circ F$ | $\geq 80^\circ F$ | $\geq 93^\circ F$ | Total |
| Rel. Hum. | 2464395 | 41639 | 51.2 | 20.214 | 813 | | | | | | | |
| Dry Bulb | 1049045 | 28035 | 34.4 | 10.134 | 814 | | 37.8 | | | | | 84 |
| Wet Bulb | 761644 | 23688 | 29.1 | 9.381 | 813 | | 53.0 | | | | | 84 |
| Dew Point | 402018 | 13592 | 16.7 | 14.671 | 813 | 9.4 | 73.2 | | | | | 84 |

1

PSYCHROMETRIC SUMMARY

75-84

MONTH

STATION

STATION NAME

YEARS

PAGE 2

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|----|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| -27 -3 | | | | | | | | | | | | | | | | | | | | | | 20 |
| -4 / -5 | | | | | | | | | | | | | | | | | | | | | | 17 |
| -6 / -7 | | | | | | | | | | | | | | | | | | | | | | 11 |
| -8 / -9 | | | | | | | | | | | | | | | | | | | | | | 4 |
| -10 / -11 | | | | | | | | | | | | | | | | | | | | | | 7 |
| -14 / -15 | | | | | | | | | | | | | | | | | | | | | | 1 |
| -16 / -17 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -18 / -19 | | | | | | | | | | | | | | | | | | | | | | 7 |
| -20 / -21 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -22 / -23 | | | | | | | | | | | | | | | | | | | | | | 6 |
| -24 / -25 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -26 / -27 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.5 | 14.6 | 18.4 | 28.3 | 23.6 | 7.4 | 2.9 | 1.4 | .5 | .5 | | | | | | | | 792 | 792 | 792 | 792 | |

| Element (X) | ΣX^1 | ΣX | Σ | σ_A | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 2349529 | 39783 | 50.2 | 21.071 | 792 | | 35.1 | .2 | | | | 84 |
| Dry Bulb | 1050616 | 27730 | 35.0 | 10.039 | 792 | | 51.3 | | | | | 84 |
| Wet Bulb | 756764 | 23354 | 29.5 | 9.280 | 792 | | 73.1 | | | | | 84 |
| Dew Point | 393918 | 13138 | 18.8 | 14.918 | 792 | 10.8 | 73.1 | | | | | |

PSYCHROMETRIC SUMMARY

FEB

YEARS

1800-2000

HOURS (L. S. T.)

[illegible]

1

PSYCHROMETRIC SUMMARY

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1800-2000

HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 62/ 61 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | |
| 60/ 59 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | | | | |
| 58/ 57 | | | .1 | | .1 | | | | | | | | | | | | | 2 | 2 | | | | | |
| 56/ 55 | | | .5 | .3 | | | | | | | | | | | | | | 6 | 6 | 1 | | | | |
| 54/ 53 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 1 | | | | |
| 52/ 51 | | .5 | .4 | | | | | | | | | | | | | | | 7 | 7 | 6 | 3 | | | |
| 50/ 49 | | .4 | .8 | .1 | .1 | .1 | | | | | | | | | | | | 12 | 12 | 10 | 5 | | | |
| 48/ 47 | | .4 | | | .5 | | | | | | | | | | | | | 7 | 7 | 9 | 6 | | | |
| 46/ 45 | | 1.6 | .3 | 1.2 | .3 | .1 | | | | | | | | | | | | 26 | 26 | 9 | 9 | | | |
| 44/ 43 | | .7 | .8 | .5 | | .1 | | | | | | | | | | | | 16 | 16 | 12 | 15 | | | |
| 42/ 41 | .3 | 2.2 | 1.5 | 2.0 | .7 | | | | | | | | | | | | | 49 | 49 | 13 | 10 | | | |
| 40/ 39 | .7 | 1.8 | 3.9 | .9 | .3 | .1 | | | | | | | | | | | | 57 | 57 | 43 | 11 | | | |
| 38/ 37 | .4 | 4.3 | 1.2 | 1.5 | .1 | | | | | | | | | | | | | 56 | 56 | 42 | 23 | | | |
| 36/ 35 | .7 | 5.3 | 1.3 | 2.3 | .5 | | | | | | | | | | | | | 75 | 75 | 77 | 26 | | | |
| 34/ 33 | 1.1 | 3.2 | 3.6 | 1.8 | .1 | | | | | | | | | | | | | 73 | 73 | 77 | 44 | | | |
| 32/ 31 | .7 | 4.3 | 2.4 | 1.8 | .4 | | | | | | | | | | | | | 71 | 71 | 52 | 81 | | | |
| 30/ 29 | .3 | 2.8 | 2.3 | 1.8 | | | | | | | | | | | | | | 53 | 53 | 68 | 48 | | | |
| 28/ 27 | .4 | 2.2 | 2.2 | 1.5 | | | | | | | | | | | | | | 46 | 46 | 62 | 37 | | | |
| 26/ 25 | .3 | 2.3 | 2.3 | .7 | | | | | | | | | | | | | | 41 | 41 | 53 | 53 | | | |
| 24/ 23 | .3 | .9 | 1.3 | .4 | | | | | | | | | | | | | | 22 | 22 | 46 | 30 | | | |
| 22/ 21 | .5 | .7 | 1.3 | .1 | | | | | | | | | | | | | | 20 | 20 | 38 | 48 | | | |
| 20/ 19 | .1 | 2.2 | 2.4 | | | | | | | | | | | | | | | 35 | 35 | 22 | 42 | | | |
| 18/ 17 | .4 | .8 | .1 | | | | | | | | | | | | | | | 18 | 18 | 35 | 41 | | | |
| 16/ 15 | | 2.2 | .5 | | | | | | | | | | | | | | | 20 | 20 | 19 | 19 | | | |
| 14/ 13 | | .5 | .5 | | | | | | | | | | | | | | | 8 | 8 | 12 | 28 | | | |
| 12/ 11 | .3 | .5 | .5 | | | | | | | | | | | | | | | 10 | 10 | 8 | 34 | | | |
| 10/ 9 | | .5 | .1 | | | | | | | | | | | | | | | 3 | 3 | 9 | 28 | | | |
| 8/ 7 | .1 | .8 | | | | | | | | | | | | | | | | 7 | 7 | 8 | 23 | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | 5 | 13 | | | |
| 4/ 3 | .3 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 21 | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | 1 | 14 | | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Element (X) | Σ X' | | Σ X | | X | | ° | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISED NOV 67 11 OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NAB

MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-----|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 3 | 26 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | 25 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | 17 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 25 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | | 9 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | 13 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | 7 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | 5 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | 2 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 3.6 | 18.9 | 21.8 | 24.9 | 18.0 | 7.3 | 3.5 | 1.2 | .4 | .2 | .1 | .1 | | | | | | | 922 | 924 | | 922 |

| Element (X) | $\sum X^2$ | $\sum X$ | \bar{X} | σ_X | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------|----------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 3492375 | 53569 | 58.12 | 0.312 | 922 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 1462354 | 35612 | 38.5 | 9.865 | 924 | | 24.2 | .6 | .3 | | | 93 |
| Wet Bulb | 1101233 | 30783 | 33.4 | 8.932 | 922 | | 39.6 | | | | | 93 |
| Dew Point | 672554 | 21826 | 23.7 | 13.010 | 922 | 3.9 | 67.6 | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|-------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|-----|-----|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 39 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.5 | 14.1 | 11.9 | 19.1 | 21.8 | 13.5 | 8.7 | 4.1 | 2.3 | .8 | .7 | .3 | .1 | .2 | | | | | | | | | | | | | | | | | | | 923 | 923 | 923 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 923 | 923 |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2849377 | 47239 | 51.22 | 1.638 | 923 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | 93 |
| Dry Bulb | 1795743 | 39559 | 42.91 | 0.429 | 923 | | 13.9 | 2.4 | .7 | .3 | | 93 |
| Wet Bulb | 1260775 | 33163 | 35.9 | 8.666 | 923 | | 30.4 | | | | | 93 |
| Dew Point | 685473 | 22129 | 24.01 | 2.963 | 923 | 3.3 | 67.9 | | | | | 93 |

FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

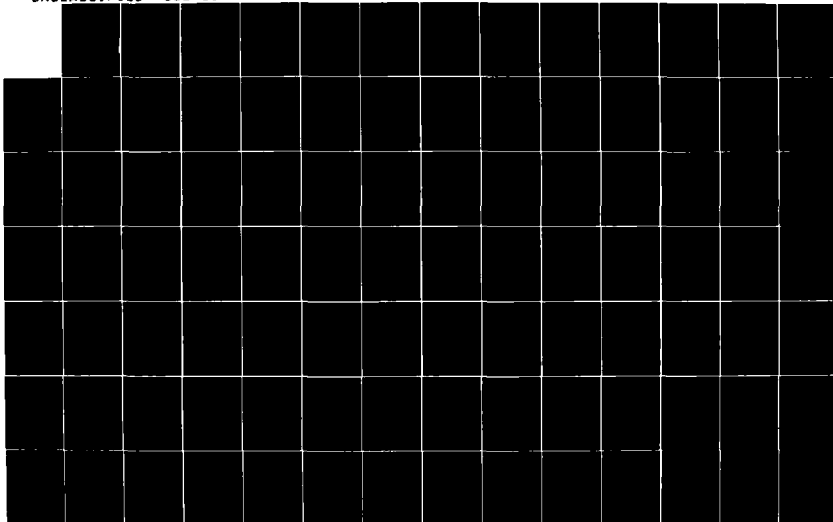
AD-A159 641

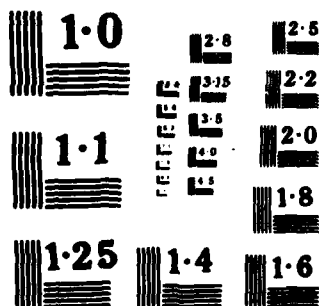
FORT DEVENS AAF MASSACHUSETTS LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA..(U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
JUL 85 USAFETAC/DS-85/027 F/G 4/2

314

UNCLASSIFIED

NL





PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1800-2000

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

744906

FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0600-0800

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
MAY 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 88/ 87 | | | | | | | | | | | .1 | | | | | | | 1 | 1 | | | | | |
| 84/ 83 | | | | | | | | | | .1 | | | | | | | | 1 | 1 | | | | | |
| 82/ 81 | | | | | | | | | | .1 | | | | | | | | 2 | 2 | | | | | |
| 80/ 79 | | | | | | | | | .1 | .2 | .1 | .1 | | | | | | 5 | 5 | | | | | |
| 78/ 77 | | | | | | | | | .2 | .1 | .1 | .1 | | | | | | 5 | 5 | | | | | |
| 76/ 75 | | | | | | .1 | .3 | | .5 | | .2 | | | | | | | 10 | 10 | | | | | |
| 74/ 73 | | | | | | .1 | | .1 | | | .2 | .1 | | | | | | 5 | 5 | | | | | |
| 72/ 71 | | | | | | .1 | .1 | .1 | .3 | .1 | .2 | .1 | | | | | | 10 | 10 | | | | | |
| 70/ 69 | | | | | | .3 | .5 | .1 | .3 | .3 | | | | | | | | 14 | 14 | | | | | |
| 68/ 67 | | | | .1 | .5 | .1 | .2 | .5 | .3 | .2 | | | | | | | | 17 | 18 | 2 | | | | |
| 66/ 65 | | .2 | .1 | | .1 | | .1 | .5 | .6 | .2 | | | | | | | | 16 | 16 | 3 | | | | |
| 64/ 63 | .2 | .2 | | .1 | .1 | .2 | .2 | .6 | .8 | .1 | | | | | | | | 23 | 23 | 10 | | | | |
| 62/ 61 | | .5 | | .3 | .2 | .1 | .1 | 1.5 | .8 | .1 | | | | | | | | 32 | 32 | 8 | | | | |
| 60/ 59 | | .2 | .7 | | .3 | .6 | .6 | .9 | .6 | .1 | | | | | | | | 35 | 35 | 20 | | | | |
| 58/ 57 | | .5 | .3 | .5 | .3 | .7 | 1.4 | .9 | .3 | | | | | | | | | 43 | 43 | 17 | | | | |
| 56/ 55 | .2 | .5 | .5 | .5 | 1.0 | .6 | 1.0 | .6 | .1 | | | | | | | | | 43 | 43 | 23 | | | | |
| 54/ 53 | .1 | .7 | .1 | .8 | .8 | 1.3 | 1.8 | 1.5 | | | | | | | | | | 62 | 62 | 29 | | | | |
| 52/ 51 | | .6 | .5 | .7 | 1.9 | .9 | .6 | | | | | | | | | | | 63 | 63 | 27 | | | | |
| 50/ 49 | .1 | 1.0 | .6 | 1.0 | 2.7 | 1.8 | 1.1 | .1 | | | | | | | | | | 75 | 75 | 42 | | | | |
| 48/ 47 | .8 | .9 | .8 | 1.1 | 2.2 | 1.7 | 1.6 | .1 | | | | | | | | | | 81 | 81 | 70 | | | | |
| 46/ 45 | .3 | 1.4 | .6 | 1.9 | 1.8 | 1.6 | .8 | .2 | | | | | | | | | | 76 | 76 | 69 | | | | |
| 44/ 43 | .2 | 3.0 | 1.0 | .6 | 1.7 | 1.5 | .5 | | | | | | | | | | | 74 | 74 | 82 | | | | |
| 42/ 41 | .5 | 2.4 | 1.6 | .6 | 1.0 | 1.0 | .2 | | | | | | | | | | | 64 | 64 | 123 | | | | |
| 40/ 39 | .5 | .9 | 1.3 | .7 | 1.8 | .3 | | | | | | | | | | | | 48 | 48 | 92 | | | | |
| 38/ 37 | .1 | .5 | .3 | .3 | .8 | .6 | | | | | | | | | | | | 23 | 23 | 84 | | | | |
| 36/ 35 | .1 | .7 | .3 | .8 | .1 | .3 | | | | | | | | | | | | 21 | 21 | 54 | | | | |
| 34/ 33 | | .2 | .5 | | .5 | | | | | | | | | | | | | 10 | 10 | 42 | | | | |
| 32/ 31 | | .1 | | | .2 | | | | | | | | | | | | | 3 | 3 | 33 | | | | |
| 30/ 29 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | 21 | | | | |
| 28/ 27 | | | | .5 | | | | | | | | | | | | | | 4 | 4 | 5 | | | | |
| 26/ 25 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | 4 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 22/ 21 | .3 | | .1 | | | | | | | | | | | | | | | 4 | 4 | 8 | | | | |
| 20/ 19 | | | .1 | | | | | | | | | | | | | | | | | | | | | |

1

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR

YEARS

MONTH

1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | | | | | | .1 | | 1 | 1 | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | .2 | | 2 | 2 | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | | | | | | .1 | | | 1 | 1 | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | | | | .2 | .1 | | | | | 3 | 3 | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | .1 | | | | | | | 1 | 1 | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | .1 | .1 | | | | | | | 2 | 2 | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | .2 | .2 | .1 | | | 5 | 5 | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | .1 | .1 | .1 | | .3 | .1 | | | | 7 | 7 | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | .2 | .2 | .3 | .1 | .2 | | | | | 10 | 10 | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | .2 | .2 | | .3 | .1 | | | | | 8 | 8 | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | .3 | .2 | .1 | .2 | .6 | .2 | | | | | 15 | 15 | | | | | | | | | | | | | |
| 74/ 73 | | | | | .1 | | | .1 | .2 | .8 | .3 | | | | | | | 14 | 14 | | | | | | | | | | | | | |
| 72/ 71 | | | | | .1 | | .1 | .1 | .2 | .2 | .5 | | | | | | | 11 | 11 | | | | | | | | | | | | | |
| 70/ 69 | | | | .1 | .3 | .2 | .1 | .2 | .7 | .5 | .7 | | | | | | | 25 | 25 | 1 | | | | | | | | | | | | |
| 68/ 67 | | | | .1 | .1 | | .2 | .2 | .6 | 1.1 | .6 | | | | | | | 26 | 26 | 5 | | | | | | | | | | | | |
| 66/ 65 | | .3 | .1 | .2 | | .2 | .6 | .6 | .9 | .8 | .6 | | | | | | | 38 | 38 | 11 | | | | | | | | | | | | |
| 64/ 63 | | | .1 | .3 | .1 | .1 | .2 | .6 | .9 | 1.1 | | | | | | | | 31 | 31 | 4 | 3 | | | | | | | | | | | |
| 62/ 61 | | .2 | | .2 | .5 | .5 | | 1.7 | 1.0 | .2 | | | | | | | | 38 | 38 | 23 | 1 | | | | | | | | | | | |
| 60/ 59 | | .1 | .6 | | .6 | 1.1 | .8 | 1.0 | .8 | .2 | | | | | | | | 46 | 46 | 14 | 5 | | | | | | | | | | | |
| 58/ 57 | | | .3 | .6 | .6 | .5 | 1.9 | .9 | .9 | .2 | | | | | | | | 52 | 52 | 18 | 5 | | | | | | | | | | | |
| 56/ 55 | | .2 | .3 | .5 | .8 | .8 | 1.8 | 2.4 | 1.2 | | | | | | | | | 71 | 71 | 27 | 9 | | | | | | | | | | | |
| 54/ 53 | | 1.1 | .2 | .6 | .2 | 1.1 | 1.6 | 1.7 | .1 | | | | | | | | | 59 | 59 | 42 | 11 | | | | | | | | | | | |
| 52/ 51 | .1 | .3 | .6 | 1.0 | .6 | 1.2 | 1.2 | .6 | .2 | | | | | | | | | 52 | 52 | 57 | 24 | | | | | | | | | | | |
| 50/ 49 | .3 | 1.2 | .9 | .6 | 2.6 | 1.9 | 1.2 | .7 | .1 | | | | | | | | | 85 | 85 | 57 | 15 | | | | | | | | | | | |
| 48/ 47 | .3 | .7 | .9 | 1.1 | 2.0 | 1.8 | 1.1 | .6 | | | | | | | | | | 76 | 76 | 72 | 38 | | | | | | | | | | | |
| 46/ 45 | .5 | 1.0 | 1.5 | .2 | .3 | 1.7 | .2 | .2 | | | | | | | | | | 50 | 50 | 87 | 26 | | | | | | | | | | | |
| 44/ 43 | .3 | 2.0 | 1.4 | .2 | .6 | .3 | .2 | | | | | | | | | | | 45 | 45 | 90 | 42 | | | | | | | | | | | |
| 42/ 41 | .5 | .7 | .6 | .1 | 1.8 | .8 | .2 | | | | | | | | | | | 41 | 43 | 114 | 33 | | | | | | | | | | | |
| 40/ 39 | | .5 | .8 | .2 | .7 | .2 | .2 | | | | | | | | | | | 23 | 23 | 89 | 55 | | | | | | | | | | | |
| 38/ 37 | | .7 | .2 | .5 | .3 | .2 | | | | | | | | | | | | 17 | 17 | 50 | 38 | | | | | | | | | | | |
| 36/ 35 | | .5 | .7 | .1 | .2 | .2 | | | | | | | | | | | | 15 | 15 | 42 | 47 | | | | | | | | | | | |
| 34/ 33 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 35 | 68 | | | | | | | | | | | |
| 32/ 31 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | 19 | 86 | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | 8 | 50 | | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | X | | Σ X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

PAGE 2

MONTH

1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | | | | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-------|-------|----|----|----|----|----|----|----|----|----|------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 28/ 27 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 44 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 43 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 32 |
| 22/ 21 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 49 | |
| 20/ 19 | .1 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 1 | 64 | |
| 18/ 17 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 22 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 25 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 10 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.4 | 9.7 | 9.5 | 7.0 | 12.7 | 13.1 | 11.9 | 11.9 | 6.7 | 6.0 | 3.5 | 1.5 | 1.2 | .3 | .3 | | | | | | | | | | | | | | | | | 880 | 882 | 880 | 880 | |

| Element (X) | Σ X' | Σ X | X | Σ X | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|---------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2440493 | 41711 | 47.4 | 22.962 | 880 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 90 |
| Dry Bulb | 2750587 | 48203 | 54.7 | 11.485 | 880 | | | 13.4 | 7.0 | 2.9 | .3 | 90 |
| Wet Bulb | 1823668 | 39404 | 44.8 | 8.211 | 880 | | 4.3 | .4 | | | | 90 |
| Dew Point | 1031753 | 28329 | 32.2 | 11.674 | 880 | 47.0 | | | | | | 90 |

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

APR

PAGE 1 1500-1700

HOURS (L, S, T,)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | |
|--------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|-------|----|----|----|----------|----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | 28 | 29 | 30 | 31 | Dry Bulb | Wet Bulb |
| 94/ 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | |
| 92/ 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | |
| 90/ 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 6 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 8 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 8 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 19 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 5 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 4 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 12 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 12 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 20 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | 19 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 25 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L, S, T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 28 | |
| 20/ 19 | | | | .3 | | | | | | | | | | | | | | | | | 49 | |
| 18/ 17 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | | 61 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | 3 | 3 | 6 | 21 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 23 | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 10 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 8 | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 4 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 8 | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 7 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 7 | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 | |
| TOTAL | 3.1 | 9.6 | 8.7 | 6.3 | 13.8 | 13.7 | 10.3 | 10.1 | 9.9 | 6.0 | 4.3 | 1.4 | 1.5 | .7 | .6 | | | | 868 | | 867 | |

| Element (X) | $\Sigma X'$ | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | |
|-------------|-------------|------------|------------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|----|
| Rel. Hum. | 2406995 | 40919 | 47.223.439 | 867 | | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | Total | |
| Dry Bulb | 2733509 | 47621 | 54.911.808 | 868 | | | | .8 | 14.1 | 6.9 | 3.2 | .3 | 90 |
| Wet Bulb | 1802309 | 38875 | 44.8 8.269 | 867 | | | 5.1 | | .6 | | | | 90 |
| Dew Point | 1011481 | 27811 | 32.111.741 | 867 | | .1 | 48.5 | | | | | | 90 |

PSYCHROMETRIC SUMMARY

75-84

APR

STATION

STATION NAME

YEARS

PAGE 2

1800-2000

HOURS (S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 18/ 17 | .4 | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 19 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 13 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 13 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 7 | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| TOTAL | 4.3 | 10.8 | 9.7 | 13.2 | 17.0 | 14.8 | 9.5 | 9.3 | 5.5 | 3.0 | 1.2 | 1.6 | .2 | | | | | 507 | 507 | 507 | | | | |

PSYCHROMETRIC SUMMARY

MAY

MONTH

0600-0800

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 84/ 83 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | | | | |
| 80/ 79 | | | | | | .2 | .3 | .2 | | | | | | | | | | 7 | 7 | | | | | |
| 78/ 77 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | | | | |
| 76/ 75 | | | | | .1 | .2 | .1 | | | | | | | | | | | 4 | 4 | | | | | |
| 74/ 73 | | | | | .6 | .4 | .1 | | | | .1 | | | | | | | 11 | 11 | | | | | |
| 72/ 71 | | | .3 | .6 | .3 | .2 | .1 | | | .1 | | | | | | | | 15 | 15 | | | | | |
| 70/ 69 | | | .4 | .4 | .6 | | .3 | | .2 | .1 | | | | | | | | 19 | 19 | 4 | | | | |
| 68/ 67 | | | .8 | .6 | .4 | .6 | .3 | .2 | .1 | .1 | | | | | | | | 28 | 29 | 11 | | | | |
| 66/ 65 | | 1.2 | .7 | .9 | .4 | .4 | .2 | .1 | .2 | | | | | | | | | 38 | 38 | 20 | 8 | | | |
| 64/ 63 | | 1.6 | .8 | .8 | .6 | .7 | .4 | .2 | .1 | | | | | | | | | 46 | 46 | 30 | 16 | | | |
| 62/ 61 | .3 | 1.7 | 1.2 | .7 | 1.2 | 1.5 | .2 | .1 | | | | | | | | | | 62 | 62 | 36 | 27 | | | |
| 60/ 59 | .2 | 1.9 | 1.1 | 1.2 | .8 | 1.6 | .1 | .1 | .2 | | | | | | | | | 65 | 65 | 40 | 41 | | | |
| 58/ 57 | .3 | 4.3 | 1.8 | 1.1 | 1.3 | .3 | .2 | .2 | | | | | | | | | | 84 | 84 | 56 | 34 | | | |
| 56/ 55 | .6 | 2.6 | 1.7 | 1.5 | 1.6 | .6 | .2 | .2 | | | | | | | | | | 79 | 79 | 75 | 68 | | | |
| 54/ 53 | .2 | 2.2 | 2.7 | 2.5 | 1.3 | .6 | | | | | | | | | | | | 83 | 83 | 72 | 41 | | | |
| 52/ 51 | .7 | 2.2 | 3.1 | 1.8 | 1.2 | .3 | .2 | | | | | | | | | | | 86 | 86 | 78 | 53 | | | |
| 50/ 49 | .2 | 1.7 | 1.2 | 1.6 | .7 | .2 | | | | | | | | | | | | 52 | 53 | 104 | 63 | | | |
| 48/ 47 | .6 | 3.6 | 1.9 | 1.2 | .6 | .2 | | | | | | | | | | | | 72 | 72 | 83 | 67 | | | |
| 46/ 45 | .3 | 1.9 | 1.5 | .8 | 1.2 | | | | | | | | | | | | | 31 | 31 | 81 | 67 | | | |
| 44/ 43 | | 1.6 | 1.1 | .8 | .2 | | | | | | | | | | | | | 33 | 33 | 69 | 75 | | | |
| 42/ 41 | .1 | .9 | .8 | .3 | .1 | | | | | | | | | | | | | 20 | 20 | 38 | 73 | | | |
| 40/ 39 | | .7 | .4 | .2 | .2 | | | | | | | | | | | | | 14 | 14 | 44 | 52 | | | |
| 38/ 37 | | 1.1 | .1 | .2 | | | | | | | | | | | | | | 13 | 13 | 27 | 54 | | | |
| 36/ 35 | | .3 | .2 | | | | | | | | | | | | | | | 5 | 5 | 10 | 46 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 10 | 25 | | | |
| 32/ 31 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 35 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 15 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 14 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAY
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

MAY

MONTH

0900-1100

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAY

MONTH

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|----|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | | | .1 | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | .1 | | .2 | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | .1 | .3 | | .1 | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | .2 | .2 | .2 | .4 | .4 | .1 | | | | | 15 | 15 | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | .1 | | .3 | .6 | .4 | .1 | | | | | 14 | 14 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | .2 | .2 | .4 | .7 | | | | | | | 14 | 14 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | .2 | .6 | .4 | .4 | .7 | .4 | .2 | .1 | .1 | | | 29 | 29 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | .1 | .2 | .7 | .7 | .3 | .2 | .3 | .1 | | | | 24 | 24 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | .2 | .7 | .6 | .4 | 1.1 | .7 | .2 | .2 | | | | 37 | 37 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | .1 | 1.0 | .6 | 1.2 | 1.1 | | .1 | .2 | | | | 39 | 39 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | .2 | .1 | .3 | 1.1 | 1.1 | .4 | 1.3 | .4 | .2 | | | | | 48 | 48 | 3 | | | | | | | | | | | | | | | |
| 74/ 73 | | | | .2 | .6 | 1.2 | .7 | 1.2 | 1.2 | .9 | 1.7 | .7 | | | | | | 75 | 75 | 5 | | | | | | | | | | | | | | | |
| 72/ 71 | | | .3 | .1 | 1.0 | .1 | .8 | 1.3 | 1.0 | .8 | .7 | .1 | | | | | | 56 | 56 | 9 | | | | | | | | | | | | | | | |
| 70/ 69 | | .3 | .2 | .7 | .4 | .4 | .6 | 1.2 | 1.1 | 1.7 | .7 | | | | | | | 66 | 66 | 30 | 4 | | | | | | | | | | | | | | |
| 68/ 67 | | .2 | .2 | .2 | .4 | .9 | .8 | 1.6 | 1.2 | .4 | .1 | | | | | | | 55 | 55 | 35 | 3 | | | | | | | | | | | | | | |
| 66/ 65 | | .4 | .6 | .8 | .8 | .3 | 1.2 | .6 | 1.9 | .7 | .2 | | | | | | | 67 | 67 | 52 | 12 | | | | | | | | | | | | | | |
| 64/ 63 | .1 | .9 | .3 | .2 | .3 | .7 | 2.1 | .8 | .4 | .8 | | | | | | | | 58 | 58 | 57 | 19 | | | | | | | | | | | | | | |
| 62/ 61 | | .2 | 1.1 | .2 | .6 | .3 | 1.1 | 1.0 | .8 | .2 | | | | | | | | 50 | 50 | 72 | 30 | | | | | | | | | | | | | | |
| 60/ 59 | | 1.1 | 1.5 | .8 | .4 | .4 | 1.3 | 1.0 | .3 | | | | | | | | | 63 | 63 | 62 | 36 | | | | | | | | | | | | | | |
| 58/ 57 | .3 | .8 | 1.3 | .1 | .6 | .8 | .4 | .3 | .3 | | | | | | | | | 45 | 45 | 75 | 57 | | | | | | | | | | | | | | |
| 56/ 55 | .1 | .4 | .4 | | .4 | .6 | .2 | .4 | | | | | | | | | | 24 | 24 | 96 | 43 | | | | | | | | | | | | | | |
| 54/ 53 | .8 | 1.0 | .6 | | .1 | | .2 | | | | | | | | | | | 24 | 24 | 88 | 55 | | | | | | | | | | | | | | |
| 52/ 51 | .2 | .4 | .3 | .1 | .4 | .2 | .2 | | | | | | | | | | | 18 | 18 | 89 | 64 | | | | | | | | | | | | | | |
| 50/ 49 | | 1.0 | .6 | .2 | .6 | .3 | .2 | | | | | | | | | | | 26 | 26 | 59 | 59 | | | | | | | | | | | | | | |
| 48/ 47 | .2 | 1.7 | .2 | .2 | .1 | .1 | | | | | | | | | | | | 23 | 23 | 69 | 53 | | | | | | | | | | | | | | |
| 46/ 45 | | .2 | .1 | | | | | | | | | | | | | | | 3 | 3 | 40 | 53 | | | | | | | | | | | | | | |
| 44/ 43 | | .7 | | | | | | | | | | | | | | | | 6 | 6 | 24 | 58 | | | | | | | | | | | | | | |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 19 | 37 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 5 | 45 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 2 | 57 | | | | | | | | | | | | | | |
| 36/ 35 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | | 42 | | | | | | | | | | | | | | |
| 34/ 33 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

744906

FT DEVENS AAF MA

75-84

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

744906

FT DEVENS AAF MA

75-84

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 21 | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| TOTAL | 2.2 | 8.6 | 8.7 | 5.0 | 5.8 | 9.8 | 8.8 | 11.3 | 11.3 | 12.1 | 8.6 | 4.3 | 2.3 | 1.0 | | | | | 874 | 874 | 874 | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAY

YEARS

MONTH

1800-2000

HOURS 11 5 1

[illegible]

PSYCHROMETRIC SUMMARY

JUN

MONTH

0900-1100

| HOURS | 1 | 5 | 7 |
|-------|---|---|---|
|-------|---|---|---|

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | .1 | .2 | .1 | | | .1 | | | | | 7 | 7 | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | .4 | .4 | .6 | .3 | .1 | | .2 | | | | | 19 | 19 | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | .1 | .6 | .9 | .8 | .2 | | .3 | .1 | | | | | 27 | 27 | | | | | | | | | | | | | | |
| 84/ 83 | | | | | .4 | .9 | 1.4 | .9 | .9 | .2 | .1 | | .1 | | | | | 37 | 37 | | | | | | | | | | | | | | |
| 82/ 81 | | | | .3 | 1.1 | 1.8 | 1.2 | .7 | .9 | .1 | | .1 | | | | | | 56 | 56 | | | | | | | | | | | | | | |
| 80/ 79 | | | .7 | 1.0 | 1.2 | .8 | .7 | .7 | .2 | | | | .1 | | | | | 48 | 48 | | | | | | | | | | | | | | |
| 78/ 77 | | .1 | .4 | 1.4 | .8 | 1.6 | 1.6 | 1.4 | .8 | .3 | | | | | | | | 76 | 76 | | | | | | | | | | | | | | |
| 76/ 75 | | .1 | 1.2 | 1.3 | 2.4 | 1.6 | 1.6 | 1.3 | .7 | .2 | | | | | | | | 94 | 94 | 9 | | | | | | | | | | | | | |
| 74/ 73 | .1 | .4 | 1.7 | 1.4 | 1.1 | 1.1 | 2.2 | .8 | .4 | .3 | | | | | | | | 87 | 87 | 30 | | | | | | | | | | | | | |
| 72/ 71 | .5 | 1.0 | .6 | 1.4 | .9 | 2.1 | .9 | .8 | .4 | .1 | | | | | | | | 77 | 77 | 52 | 5 | | | | | | | | | | | | |
| 70/ 69 | .2 | 1.4 | .7 | 1.4 | 2.0 | 1.7 | 1.2 | 1.1 | | | | | | | | | | 88 | 88 | 79 | 21 | | | | | | | | | | | | |
| 68/ 67 | .8 | .9 | .6 | .7 | 1.0 | 1.2 | 1.5 | | .1 | | | | | | | | | 59 | 59 | 78 | 52 | | | | | | | | | | | | |
| 66/ 65 | 1.0 | .7 | .8 | 1.0 | .8 | 1.3 | .2 | .4 | | | | | | | | | | 56 | 56 | 90 | 64 | | | | | | | | | | | | |
| 64/ 63 | .1 | .4 | .4 | .2 | .4 | 1.4 | .2 | .2 | .3 | | | | | | | | | 35 | 35 | 98 | 64 | | | | | | | | | | | | |
| 62/ 61 | 1.3 | 1.0 | .1 | .6 | .3 | .1 | .4 | | | | | | | | | | | 35 | 35 | 96 | 76 | | | | | | | | | | | | |
| 60/ 59 | .1 | .1 | .7 | .2 | .4 | .7 | .4 | .1 | | | | | | | | | | 25 | 25 | 98 | 62 | | | | | | | | | | | | |
| 58/ 57 | .2 | 1.0 | .6 | .3 | .6 | .3 | .1 | | | | | | | | | | | 28 | 28 | 68 | 70 | | | | | | | | | | | | |
| 56/ 55 | .4 | .1 | .2 | .3 | | | | | | | | | | | | | | 10 | 10 | 67 | 66 | | | | | | | | | | | | |
| 54/ 53 | .4 | .6 | .9 | .4 | .1 | | | | | | | | | | | | | 22 | 22 | 54 | 56 | | | | | | | | | | | | |
| 52/ 51 | .6 | .2 | .2 | | | | | | | | | | | | | | | 9 | 9 | 27 | 77 | | | | | | | | | | | | |
| 50/ 49 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 41 | 70 | | | | | | | | | | | | |
| 48/ 47 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 12 | 47 | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 3 | 47 | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 38 | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| TOTAL | 1.7 | 6.8 | 8.6 | 7.4 | 12.2 | 14.4 | 16.3 | 14.7 | 10.1 | 5.0 | 1.7 | .6 | .6 | | | | | 900 | 900 | 900 | | | | | | | | | | | | | |
| Element (X) | Σ x ² | Σ x | Σ | Σ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 3241700 | 51638 | 57.4 | 17.615 | 900 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 4713649 | 64685 | 71.9 | 8.477 | 900 | | | 67.6 | 45.2 | 16.9 | | 90 | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 3491363 | 55735 | 61.9 | 6.655 | 900 | | | 24.8 | 3.9 | | | 90 | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 2771718 | 49310 | 54.8 | 8.829 | 900 | | .3 | 7.8 | | | | 90 | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

JUN

STATION

STATION NAME

YEARS

PAGE 2

MONTH

1200-1400

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

744906

FT DEVENS AAF MA

75-84

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|-------|----------|----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | 31 | Dry Bulb | Wet Bulb |
| 98/ 97 | | | | | | | | | | | | | | | | | | | | | | | .3 | | | | | | | | | | 3 | 3 | |
| 94/ 93 | | | | | | | | | | | | .1 | | | | .1 | | | | | | | .2 | | | | | | | | | 4 | 4 | | |
| 92/ 91 | | | | | | | | | | | | | | | .3 | .2 | .6 | 1.0 | .2 | .2 | | | | | | | | | | | | 23 | 23 | | |
| 90/ 89 | | | | | | | | | | .1 | | .8 | .9 | .1 | .3 | .4 | .3 | .2 | | | | | | | | | | | | | | 29 | 29 | | |
| 88/ 87 | | | | | | | | .2 | .2 | 1.3 | .6 | .4 | .3 | .7 | | | | .1 | | | | | | | | | | | | | | 35 | 35 | | |
| 86/ 85 | | | | | | | .3 | | .9 | 1.1 | 1.5 | .8 | .6 | .3 | .3 | | | | | | | | | | | | | | | | | 52 | 52 | | |
| 84/ 83 | | | | | | | .1 | .3 | 1.2 | 1.2 | .6 | .6 | 1.9 | .3 | | | | .3 | | | | | | | | | | | | | | 59 | 59 | | |
| 82/ 81 | | | | | .1 | .3 | .3 | 1.1 | 1.6 | 1.6 | 1.9 | .6 | .6 | .2 | | | | | | | | | | | | | | | | | | 74 | 74 | 1 | |
| 80/ 79 | | | | .2 | .1 | 1.0 | 1.5 | 1.6 | 1.9 | 2.1 | 1.3 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | 97 | 97 | 1 | |
| 78/ 77 | | | .1 | | .7 | 1.5 | .9 | .8 | 1.5 | 2.4 | 2.5 | .1 | .1 | | | | | | | | | | | | | | | | | | | 93 | 93 | 7 | |
| 76/ 75 | | | .2 | .2 | 1.5 | .9 | 1.0 | 1.1 | .4 | 1.9 | .4 | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 20 | |
| 74/ 73 | | .2 | .8 | .9 | .4 | 1.0 | 1.0 | 1.0 | .9 | .7 | .7 | | | | | | | | | | | | | | | | | | | | | 68 | 68 | 41 | |
| 72/ 71 | .2 | | .8 | .4 | .4 | .6 | 1.1 | 1.1 | .6 | .6 | .4 | | | | | | | | | | | | | | | | | | | | | 56 | 56 | 58 | |
| 70/ 69 | .2 | | 1.2 | .2 | 1.2 | .6 | 1.0 | 1.5 | .4 | .6 | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 78 | |
| 68/ 67 | | .4 | .2 | | .7 | .7 | .2 | .4 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 89 | |
| 66/ 65 | | .9 | .4 | .3 | .1 | .3 | .6 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 85 | |
| 64/ 63 | | .4 | .8 | .2 | .3 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 100 | |
| 62/ 61 | | .9 | .7 | 1.0 | .1 | .6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 86 | |
| 60/ 59 | | .8 | .4 | | .2 | .3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 92 | |
| 58/ 57 | .1 | .3 | .3 | .1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 101 | |
| 56/ 55 | .4 | .3 | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 48 | |
| 54/ 53 | | .7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

75-84

JUN

STATION

STATION NAME

YEARS

PAGE 2

MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

FORM W-9

JSAFETAC

PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

PAGE 1

MONTH

2100-2300

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

FORM 990

USAFETAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-------|-----|------------|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 98/ 97 | | | | | | | | | | | .1 | | | | | | | 1 | 1 | | | | | | |
| 96/ 95 | | | | | | | | | .1 | | | .2 | | | | | | 3 | 3 | | | | | | |
| 94/ 93 | | | | | | | | .2 | .3 | .1 | .3 | | | | | | | 9 | 9 | | | | | | |
| 92/ 91 | | | | | | | .1 | .2 | .6 | .4 | .6 | .1 | .1 | | | | | 19 | 19 | | | | | | |
| 90/ 89 | | | | | | .6 | 1.0 | .3 | .3 | .2 | .3 | .1 | | | | | | 26 | 26 | | | | | | |
| 88/ 87 | | | | .1 | | .6 | 1.0 | .6 | .9 | .6 | | .6 | | | | | | 38 | 38 | | | | | | |
| 86/ 85 | | | | | .7 | .9 | .9 | 2.1 | 1.3 | .6 | .3 | .1 | .1 | | | | | 63 | 63 | | | | | | |
| 84/ 83 | | | .2 | .6 | 1.6 | 2.3 | 1.6 | 1.2 | .6 | .4 | .1 | | | | | | | 77 | 77 | 1 | | | | | |
| 82/ 81 | | .2 | .9 | 1.8 | 2.0 | 2.3 | 1.5 | .6 | .3 | | | | | | | | | 86 | 86 | | 1 | | | | |
| 80/ 79 | | 1.0 | 1.3 | 1.9 | 2.0 | 1.5 | 1.5 | .8 | | | | | | | | | | 89 | 89 | 8 | | | | | |
| 78/ 77 | | | .3 | 1.5 | 2.1 | 2.0 | 1.9 | 1.9 | 1.1 | .3 | | | | | | | | 180 | 100 | 24 | | | | | |
| 76/ 75 | | .9 | 1.3 | 1.2 | 2.0 | 1.2 | 1.2 | .7 | .1 | | | | | | | | | 78 | 78 | 44 | 7 | | | | |
| 74/ 73 | .2 | .3 | .7 | 1.8 | 1.0 | 1.9 | .3 | 1.1 | .8 | | | | | | | | | 73 | 73 | 85 | 21 | | | | |
| 72/ 71 | .2 | .6 | 1.7 | 1.0 | 1.0 | .6 | 1.6 | .6 | .3 | | | | | | | | | 67 | 69 | 101 | 40 | | | | |
| 70/ 69 | | .4 | 1.0 | .8 | 1.1 | 1.1 | 1.3 | .9 | .2 | | | | | | | | | 60 | 60 | 118 | 79 | | | | |
| 68/ 67 | | .9 | .9 | .7 | 1.0 | .8 | .6 | .4 | .2 | | | | | | | | | 49 | 49 | 128 | 76 | | | | |
| 66/ 65 | | .9 | .3 | .6 | .2 | | .4 | .2 | | | | | | | | | | 24 | 24 | 100 | 89 | | | | |
| 64/ 63 | .1 | 1.2 | .2 | .3 | .1 | | .1 | | | | | | | | | | | 19 | 19 | 91 | 97 | | | | |
| 62/ 61 | .2 | .6 | .3 | .1 | | .1 | | | | | | | | | | | | 12 | 12 | 73 | 90 | | | | |
| 60/ 59 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | 58 | 82 | | | | |
| 58/ 57 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 32 | 70 | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 19 | 52 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 9 | 41 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 3 | 48 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 1 | 32 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 21 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | .8 | 4.9 | 6.4 | 9.4 | 11.4 | 15.3 | 16.4 | 15.9 | 11.1 | 4.4 | 2.3 | 1.5 | .3 | | | | | | 897 | | 895 | | | | |
| | | | | | | | | | | | | | | | | | | 895 | | 895 | | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ X | | Σ X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | 3248610 | | 81942 | | 58.015.984 | | 895 | | ≥ 0 F | | ≥ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | |
| Dry Bulb | 5443043 | | 69571 | | 77.8 | | 7.253 | | 897 | | | | 87.1 | | 88.6 | | 37.6 | | 1.3 | | 93 | | | | |
| Wet Bulb | 4059230 | | 60062 | | 67.1 | | 5.853 | | 895 | | | | 52.3 | | 16.0 | | .2 | | | | 93 | | | | |
| Dew Point | 3352238 | | 54340 | | 68.7 | | 7.698 | | 895 | | | | 23.3 | | 3.0 | | .2 | | | | 93 | | | | |

PSYCHROMETRIC SUMMARY

75-84

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

1200-1400
HOURS (1 S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|-------------|-------------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 00/ 99 | | | | | | | | | | | | | | | | | | | .1 | .1 | | .1 | | | | | | | | | | | | 1 | 1 | |
| 98/ 97 | | | | | | | | | | | | | | | | | .3 | .9 | .3 | .1 | | | | | | | | | | | | | | 10 | 10 | |
| 96/ 95 | | | | | | | | | | | | | | | | .8 | .4 | .9 | .1 | .4 | | | | | | | | .1 | | | | | | 16 | 16 | |
| 94/ 93 | | | | | | | | | | | | | .2 | .8 | .4 | .9 | .1 | .4 | | | | | | | | | | | | | | | | 26 | 26 | |
| 92/ 91 | | | | | .1 | | | | | | .1 | 1.5 | .7 | .7 | .4 | .6 | .2 | .7 | | | | | | | | | | | | | | | | 44 | 44 | |
| 90/ 89 | | | | | | | | .3 | .8 | 1.1 | 1.0 | .8 | 1.0 | .7 | .7 | | | | | | | | | | | | | | | | | | | 57 | 57 | |
| 88/ 87 | | | | .2 | .1 | .7 | 1.2 | 1.3 | 2.9 | 1.3 | .6 | .8 | .4 | | | | | | | | | | | | | | | | | | | | | 86 | 86 | |
| 86/ 85 | | | | .2 | .6 | .9 | 1.3 | 2.5 | 2.1 | 2.5 | 1.2 | .4 | | | | | | | | | | | | | | | | | | | | | | 90 | 90 | 1 |
| 84/ 83 | | | | .2 | .6 | .9 | 1.3 | 2.5 | 2.1 | 2.5 | 1.2 | .4 | | | | | | | | | | | | | | | | | | | | | | 105 | 105 | 1 |
| 82/ 81 | | | .1 | .3 | .8 | 1.1 | 1.5 | 2.3 | 1.7 | .7 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 5 |
| 80/ 79 | | | .2 | .7 | 1.0 | 1.7 | 1.5 | 1.3 | 1.2 | .9 | .4 | | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 13 |
| 78/ 77 | | | .2 | .3 | .6 | .6 | .3 | 2.1 | 1.2 | .8 | .2 | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 52 |
| 76/ 75 | | .1 | .2 | 1.0 | .9 | .6 | .8 | 1.6 | 1.9 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | 70 | 70 | 52 |
| 74/ 73 | .2 | .2 | .6 | 1.6 | .3 | .3 | .9 | .6 | .2 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 91 |
| 72/ 71 | .1 | .1 | .7 | .6 | .7 | .1 | .7 | 1.0 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 106 |
| 70/ 69 | | .4 | .7 | .2 | .6 | .3 | .1 | .8 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 115 |
| 68/ 67 | | .4 | .1 | .2 | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 128 |
| 66/ 65 | .1 | .7 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 93 |
| 64/ 63 | .4 | .2 | .6 | | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 84 |
| 62/ 61 | | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 62 |
| 60/ 59 | | .1 | | | | | </ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA

75-84

Jill

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL

MONTH

1800-2000

HOURS 1 5 9

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

1500-1700

HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | | | |
|-------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | + 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| TOTAL | .7 | 3.1 | 4.3 | 4.3 | 4.8 | 8.0 | 11.2 | 19.2 | 17.3 | 12.6 | 6.8 | 4.7 | 1.7 | 1.1 | .2 | | | | 880 | 880 | 880 | |
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PSYCHROMETRIC SUMMARY

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L - S - T -)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG

YEARS

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1200-1400

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

PAGE 2 1200-1400
HOURS (I. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| TOTAL | .9 | 7.8 | 6.3 | 4.8 | 7.2 | 11.9 | 13.9 | 18.2 | 15.8 | 8.4 | 3.2 | .8 | .6 | .2 | | | | | 928 | 929 | 928 | |
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PSYCHROMETRIC SUMMARY

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PAGE 1

1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | 31 | Dry Bulb | Wet Bulb |
| 78/ 77 | | | | | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | |
| 76/ 75 | | | | | .5 | | | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | | |
| 74/ 73 | | | .2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 5 | |
| 72/ 71 | | | .6 | 1.5 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 10 | 3 |
| 70/ 69 | | | .7 | 1.3 | .8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 9 | 17 |
| 68/ 67 | .2 | .5 | 1.3 | .3 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 27 | 12 |
| 66/ 65 | .2 | 2.2 | 1.3 | .7 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 26 | 20 |
| 64/ 63 | .3 | 2.1 | 1.9 | .9 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 41 | 29 |
| 62/ 61 | .6 | 2.8 | 1.3 | .9 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 44 | 41 |
| 60/ 59 | 1.9 | 3.8 | 2.5 | .8 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 83 | 83 | 67 | 64 |
| 58/ 57 | .5 | 3.7 | 2.8 | 1.6 | .1 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 76 | 76 | 65 | 52 |
| 56/ 55 | 1.0 | 5.1 | 1.9 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 | 76 | 55 |
| 54/ 53 | .8 | 4.5 | 1.3 | .9 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 67 | 67 | 90 | 74 |
| 52/ 51 | .1 | 4.4 | 3.2 | .7 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 70 | 85 |
| 50/ 49 | | 3.2 | 1.3 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 62 | 64 |
| 48/ 47 | .5 | 3.4 | 1.3 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 66 | 69 |
| 46/ 45 | .1 | 1.9 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 46 | 50 |
| 44/ 43 | .2 | 2.4 | 1.4 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 28 | 33 |
| 42/ 41 | | 1.6 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 33 | 42 |
| 40/ 39 | .3 | 2.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 36 | 38 |
| 38/ 37 | .3 | .8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 25 | 39 |
| 36/ 35 | .7 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 15 | 25 |
| 34/ 33 | .6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 18 | 17 |
| 32/ 31 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 27 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 8.7 | 48.1 | 26.8 | 11.2 | 4.2 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 863 | 863 | 863 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEE
MONTH

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | .1 | .2 | .1 | | | | | | | 4 | 4 | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | .1 | | .1 | | | | | | 2 | 2 | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | .2 | | .1 | .3 | | | | | | | 6 | 6 | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | .6 | .5 | .1 | | | | | | | | | 10 | 10 | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | .5 | .5 | .2 | .5 | | | | | | | | 14 | 14 | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | .2 | .7 | .3 | .7 | .3 | .1 | | | | | | | 21 | 21 | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | .6 | .8 | 1.4 | 1.0 | .6 | | | | | | | | 38 | 38 | | | | | | | | | | | | | | | |
| 80/ 79 | | | | .1 | .7 | .2 | .9 | 1.4 | .5 | .1 | | | | | | | | 34 | 34 | | | | | | | | | | | | | | | |
| 78/ 77 | | .2 | .2 | .5 | .3 | 1.7 | 1.8 | 1.3 | | | | | | | | | | 53 | 53 | 2 | | | | | | | | | | | | | | |
| 76/ 75 | | | .7 | .5 | 1.8 | 1.5 | 1.8 | 1.5 | .6 | .1 | | | | | | | | 74 | 74 | 12 | | | | | | | | | | | | | | |
| 74/ 73 | | | .3 | .9 | .3 | 1.5 | .8 | 1.5 | 1.2 | .3 | | | | | | | | 60 | 60 | 14 | | | | | | | | | | | | | | |
| 72/ 71 | .2 | .1 | .7 | .5 | .5 | .8 | 2.4 | 1.8 | 2.1 | | | | | | | | | 79 | 79 | 28 | 8 | | | | | | | | | | | | | |
| 70/ 69 | .1 | .2 | .5 | .6 | .9 | .8 | 2.5 | 1.4 | .8 | | | | | | | | | 68 | 68 | 45 | 16 | | | | | | | | | | | | | |
| 68/ 67 | | .2 | .8 | .3 | 1.3 | 2.1 | 2.5 | 1.6 | .6 | .3 | | | | | | | | 85 | 85 | 55 | 30 | | | | | | | | | | | | | |
| 66/ 65 | .1 | .9 | .1 | .2 | .7 | .8 | 2.8 | 1.8 | .2 | | | | | | | | | 67 | 67 | 71 | 31 | | | | | | | | | | | | | |
| 64/ 63 | .2 | .5 | 1.2 | .3 | .6 | 2.2 | 2.1 | .3 | .2 | | | | | | | | | 66 | 66 | 72 | 25 | | | | | | | | | | | | | |
| 62/ 61 | | 1.3 | .6 | .3 | .2 | 1.7 | 2.3 | .5 | | | | | | | | | | 60 | 60 | 68 | 51 | | | | | | | | | | | | | |
| 60/ 59 | .2 | .7 | .8 | 1.0 | .3 | .6 | .6 | .2 | .2 | | | | | | | | | 41 | 41 | 90 | 59 | | | | | | | | | | | | | |
| 58/ 57 | .6 | 1.4 | .9 | .2 | .3 | .3 | .7 | .2 | .1 | | | | | | | | | 42 | 42 | 107 | 74 | | | | | | | | | | | | | |
| 56/ 55 | .2 | .6 | .2 | .1 | | .3 | .1 | .2 | | | | | | | | | | 16 | 16 | 82 | 55 | | | | | | | | | | | | | |
| 54/ 53 | .3 | 1.0 | | | .1 | .1 | .2 | .1 | | | | | | | | | | 17 | 17 | 78 | 59 | | | | | | | | | | | | | |
| 52/ 51 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 76 | 71 | | | | | | | | | | | | | |
| 50/ 49 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 26 | 71 | | | | | | | | | | | | | |
| 48/ 47 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 21 | 67 | | | | | | | | | | | | | |
| 46/ 45 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 11 | 45 | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 6 | 49 | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 4 | 45 | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 41 | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

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PAGE 2 0900-1100
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

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1200-1400
HOURS (L. S. T.)

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1500-1700

HOURS (L S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|---|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| TOTAL | 2.7 | 11.8 | 8.3 | 11.6 | 15.6 | 20.3 | 15.0 | 9.3 | 3.6 | 1.2 | .6 | .1 | | | | | | | 854 | 878 | 854 | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

75-84

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MONTH

PAGE 2 0600-0800
HOURS (: S Y)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|--------------|-------------------------------------|------|------|------|-----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-----------|----------|----------|-----------|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
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| TOTAL | 9.2 | 48.2 | 28.1 | 12.7 | 1.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 620 | 598 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 598 | 598 | |
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| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| -2/-3 | | | | | | | | | | | | | | | | | | | | | 1 | 16 | | | | | | | | | | | | |
| -4/-5 | .2 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 | | | | | | | | | | | | | |
| -6/-7 | .6 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 6 | | | | | | | | | | | | | |
| -8/-9 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 4 | | | | | | | | | | | | | |
| -10/-11 | .2 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | | | | | | | | | | |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 10.451 | 8.28 | 3 | 8.4 | 1.1 | | | | | | | | | | | | | 618 | 620 | 618 | 618 | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|
| | | | | | | $\leq 0^\circ \text{ F}$ | $\leq 32^\circ \text{ F}$ | $\geq 67^\circ \text{ F}$ | $\geq 73^\circ \text{ F}$ | $\geq 80^\circ \text{ F}$ | $\geq 93^\circ \text{ F}$ | |
| Rel. Hum. | 3280895 | 43899 | 71.0 | 16.232 | 618 | | | | | | | 93 |
| Dry Bulb | 539534 | 16704 | 26.9 | 12.024 | 620 | 1.5 | 63.8 | | | | | 93 |
| Wet Bulb | 459930 | 15256 | 24.7 | 11.621 | 618 | 1.5 | 71.9 | | | | | 93 |
| Dew Point | 336008 | 11296 | 18.3 | 10.489 | 618 | 18.4 | 80.7 | | | | | 93 |

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | |
|--------------|-------------------------------------|------|------|------|-----|----|----|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|----|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 0/-1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 1 | | |
| -2/-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| -4/-5 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 10 | | |
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| -8/-9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| -16/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| TOTAL | 4.9 | 31.6 | 33.2 | 22.4 | 6.8 | .9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 820 | 821 | 820 | | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA STATION STATION NAME

75-84 YEARS

DEC MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | |
|-------------|-------------------------------------|-----|-----|-----|-----|------------|----|----|----|----|-----------|----|----|----|----|------------|----|----|----|----|----------|----|----|----|----|------------------------------------|--------|--------|--------|--------|--------|--------------------|----------|----------|-----------|--|--|--|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 68/ 67 | | | | | .1 | .1 | .4 | | | | | | .1 | | | | | | | | | | | | | | | | | | | 6 | 6 | | | | | | | |
| 66/ 65 | | | | | .1 | .4 | | | | | | | .1 | .2 | | | | | | | | | | | | | | | | | | 7 | 7 | | | | | | | |
| 64/ 63 | | | | | | | | .1 | | | | | .1 | | .1 | | .1 | | | | | | | | | | | | | | | 3 | 3 | 1 | | | | | | |
| 62/ 61 | | | | | | | | .5 | | | | | | .1 | | | | | | | | | | | | | | | | | | 5 | 5 | 4 | | | | | | |
| 60/ 59 | | | | | | | | .2 | | | | | | .1 | | | | | | | | | | | | | | | | | | 3 | 3 | 4 | | | | | | |
| 58/ 57 | | .4 | | | | .1 | .1 | .1 | .6 | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 1 | | | | | | |
| 56/ 55 | | .1 | .1 | .1 | | | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | | | | | | |
| 54/ 53 | | .2 | | | | | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | | | | | | |
| 52/ 51 | | .1 | .1 | .5 | .2 | .4 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 11 | | | | | | |
| 50/ 49 | .4 | .6 | | .6 | .2 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 5 | | | | | | |
| 48/ 47 | | .7 | .4 | .6 | .6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 11 | | | | | | |
| 46/ 45 | .1 | .5 | .7 | .7 | 2.6 | 1.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 21 | | | | | | |
| 44/ 43 | | .7 | .4 | .7 | 2.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | 16 | | | | | | |
| 42/ 41 | .5 | .7 | .9 | 1.0 | 1.9 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 25 | | | | | | |
| 40/ 39 | .2 | 1.1 | 2.1 | 2.0 | 2.6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 33 | | | | | | |
| 38/ 37 | | 1.6 | 2.1 | 2.0 | 1.7 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 52 | | | | | | |
| 36/ 35 | .2 | 1.5 | 1.5 | 3.7 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 71 | 68 | | | | | | |
| 34/ 33 | .2 | 1.7 | 1.0 | 3.7 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 67 | 67 | 75 | | | | | | |
| 32/ 31 | .2 | 2.9 | 1.5 | 4.2 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 62 | | | | | | |
| 30/ 29 | .2 | 1.5 | .9 | 2.1 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 84 | | | | | | |
| 28/ 27 | .6 | 1.5 | .5 | 1.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 70 | | | | | | |
| 26/ 25 | .2 | .4 | 1.1 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 68 | | | | | | |
| 24/ 23 | | .6 | .7 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 38 | | | | | | |
| 22/ 21 | | .4 | 2.0 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 31 | | | | | | |
| 20/ 19 | .2 | 1.5 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 29 | | | | | | |
| 18/ 17 | .2 | 1.5 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 20 | | | | | | |
| 16/ 15 | .4 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 24 | | | | | | |
| 14/ 13 | .1 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 19 | | | | | | |
| 12/ 11 | .2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 9 | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | | | | ΣX | | | | | \bar{X} | | | | | σ^2 | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-20-5 (OLA) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC

PAGE 2 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------------|-------------------------------------|------|------|------|------|-----|-----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 77 -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 77 -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 77 -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 77 -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 77 -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 77 -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| 77 -13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 77 -15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 77 -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 77 -19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 3.1 | 18.7 | 21.5 | 29.9 | 19.7 | 4.9 | 1.5 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 804 | 804 | 804 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 804 | 804 | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 2872857 | 45427 | 56.5 | 19.527 | 804 | | | | | | | |
| Dry Bulb | 1115885 | 28741 | 35.7 | 10.496 | 804 | | 34.9 | .7 | | | | 93 |
| Wet Bulb | 842481 | 24821 | 30.9 | 9.742 | 804 | | 53.9 | | | | | 93 |
| Dew Point | 496688 | 16520 | 20.5 | 13.994 | 804 | 7.6 | 76.7 | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
YEARS

DEC
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|-------------|-------------------------------------|-----|-----|------------|-----|-----|-----------|----|----|------------|----|----|----------|----|----|------------------------------------|--------|--------|--------|--------|--------|----|----|----|----|----|-------|----|----|----|----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 70/ 69 | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 68/ 67 | | | | | | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 66/ 65 | | | | | | | .3 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 64/ 63 | | | | .1 | | | | .1 | .3 | .4 | | | | .1 | | | | | | | | | | | | | | | | | | | 8 | 8 | | |
| 62/ 61 | | | | | | | .1 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | |
| 60/ 59 | | | | .5 | | | .3 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | 7 | 7 | 3 | |
| 58/ 57 | | .5 | | | .1 | .4 | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 3 | 5 |
| 56/ 55 | | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 8 | 4 |
| 54/ 53 | | .4 | .1 | .4 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 3 | 6 |
| 52/ 51 | | .3 | .8 | .4 | .1 | .1 | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 12 | 2 |
| 50/ 49 | .1 | .5 | .5 | .3 | .1 | .3 | .1 | .3 | .1 | .1 | | | .1 | | | | | | | | | | | | | | | | | | | | 16 | 16 | 8 | 8 |
| 48/ 47 | | .3 | .1 | .6 | .4 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 4 |
| 46/ 45 | .1 | .6 | .5 | .3 | 1.5 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 16 | 12 |
| 44/ 43 | | .9 | .1 | 1.3 | 1.8 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 13 | 8 |
| 42/ 41 | .8 | .8 | 1.3 | 1.1 | 1.7 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 22 | 20 |
| 40/ 39 | .1 | .8 | 1.3 | 1.8 | 3.2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 60 | 20 | 15 |
| 38/ 37 | .5 | 1.4 | 1.5 | 3.1 | 1.3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 51 | 16 |
| 36/ 35 | .1 | 2.4 | 1.5 | 4.2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 72 | 72 | 56 | 16 |
| 34/ 33 | .3 | .9 | 1.5 | 2.9 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 79 | 21 |
| 32/ 31 | .6 | 3.4 | 2.4 | 3.7 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 98 | 98 | 65 | 47 |
| 30/ 29 | .8 | 1.0 | .8 | 2.8 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 90 | 25 |
| 28/ 27 | .6 | 1.3 | 1.4 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 60 | 48 |
| 26/ 25 | | .6 | 1.1 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 62 | 53 |
| 24/ 23 | | .1 | .4 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 52 | 21 |
| 22/ 21 | | | 1.1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 33 | 50 |
| 20/ 19 | | .4 | 1.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 29 | 74 |
| 18/ 17 | | .4 | 1.8 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 14 | 38 |
| 16/ 15 | .1 | .3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 22 | 39 |
| 14/ 13 | | .4 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 19 | 36 |
| 12/ 11 | .3 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 15 | 28 |
| 10/ 9 | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 27 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 39 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 18 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| Element (X) | ΣX^2 | | | ΣX | | | \bar{X} | | | σ_x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | Total | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUL 84

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 27 - 1 | | | | | | | | | | | | | | | | | | | | | 24 | | | |
| 27 - 1 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 27 - 3 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 47 - 5 | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| 67 - 7 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 107 - 11 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 127 - 13 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 147 - 15 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 167 - 17 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 187 - 19 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| TOTAL | 4.5 | 17.6 | 22.5 | 32.3 | 16.6 | 4.7 | 1.3 | .4 | .1 | | | | | | | | | 783 | 783 | 783 | | | | |

| Element (X) | Σ X ² | Σ X | X | Σ X ² | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|-------|------|------------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 2866770 | 44728 | 57.1 | 19.966 | 783 | | | | | | | |
| Dry Bulb | 1062791 | 27663 | 35.3 | 10.455 | 783 | | 38.1 | .5 | | | | 93 |
| Wet Bulb | 809631 | 23973 | 30.6 | 9.836 | 783 | | 55.8 | | | | | 93 |
| Dew Point | 487310 | 15984 | 20.4 | 14.349 | 783 | 7.4 | 76.7 | | | | | 93 |

PSYCHROMETRIC SUMMARY

744906 FT DEVENS AAF MA
STATION STATION NAME

75-84

YEARS

DEC

DEC
MONTH

PAGE 1 1800-2000
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|-------------|-------------------------------------|---------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|---|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| -4/-5 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | |
| -6/-7 | | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | |
| -8/-9 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| TOTAL | 5.522 | 143.022 | .1 | 5.5 | 1.7 | .2 | | | | | | | | | | | | | 458 | 458 | 458 | | | | | | | | | | | |

| Element (X) | Z _{X'} | Z _X | X | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-----------------|----------------|------------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ± 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 1925381 | 28521 | 62.318.074 | | 458 | | | | | | | 93 |
| Dry Bulb | 523151 | 14691 | 32.118.658 | | 458 | | 50.0 | | | | | 93 |
| Wet Bulb | 419510 | 13840 | 28.410.274 | | 458 | | 65.2 | | | | | 93 |
| Dew Point | 274367 | 9067 | 19.814.408 | | 458 | 9.1 | 78.0 | | | | | 93 |

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

744906 FT DEVENS AAF MA

75-84

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|--------------|-----------|--------------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--|
| HRS | LS T | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | |
| 06-08 | MEAN | 18.5 | 22.6 | 32.3 | 43.0 | 55.2 | 63.7 | 68.8 | 65.0 | 55.3 | 45.4 | 37.8 | 26.9 | 46.8 | |
| | S D | 12.823 | 12.815 | 9.585 | 8.702 | 8.524 | 7.694 | 6.973 | 7.541 | 9.276 | 9.551 | 9.922 | 12.024 | 18.877 | |
| | TOTAL OBS | 667 | 611 | 741 | 746 | 894 | 897 | 72 | 921 | 863 | 860 | 620 | 620 | 9332 | |
| 09-11 | MEAN | 24.0 | 29.3 | 38.5 | 50.4 | 63.5 | 71.9 | 77.6 | 73.7 | 65.0 | 53.6 | 44.3 | 31.4 | 52.3 | |
| | S D | 10.748 | 10.678 | 9.865 | 10.414 | 9.818 | 8.477 | 7.253 | 7.727 | 8.097 | 8.850 | 9.240 | 10.872 | 20.109 | |
| | TOTAL OBS | 894 | 818 | 924 | 879 | 894 | 900 | 897 | 930 | 870 | 892 | 831 | 821 | 10550 | |
| 12-14 | MEAN | 28.8 | 34.4 | 42.9 | 54.7 | 67.7 | 75.9 | 81.5 | 78.0 | 69.6 | 58.6 | 48.9 | 35.7 | 56.8 | |
| | S D | 9.127 | 10.134 | 10.429 | 11.485 | 10.739 | 9.067 | 7.526 | 8.308 | 8.483 | 9.251 | 9.818 | 10.496 | 20.006 | |
| | TOTAL OBS | 885 | 814 | 923 | 882 | 894 | 900 | 895 | 929 | 868 | 885 | 830 | 804 | 10509 | |
| 15-17 | MEAN | 28.8 | 35.0 | 43.5 | 54.9 | 67.8 | 75.8 | 81.6 | 77.6 | 69.4 | 58.0 | 48.0 | 35.3 | 56.8 | |
| | S D | 9.215 | 10.039 | 10.587 | 11.808 | 10.633 | 8.987 | 7.417 | 8.213 | 8.239 | 9.261 | 9.852 | 10.455 | 19.924 | |
| | TOTAL OBS | 859 | 792 | 889 | 868 | 874 | 890 | 880 | 913 | 839 | 878 | 821 | 783 | 10286 | |
| 18-20 | MEAN | 25.2 | 31.3 | 40.1 | 51.1 | 63.6 | 72.6 | 78.3 | 73.3 | 64.0 | 52.2 | 43.5 | 32.1 | 51.0 | |
| | S D | 9.476 | 9.806 | 9.443 | 10.646 | 9.733 | 7.991 | 6.634 | 7.269 | 8.060 | 8.826 | 9.223 | 10.658 | 19.561 | |
| | TOTAL OBS | 524 | 499 | 539 | 507 | 410 | 433 | 423 | 451 | 396 | 433 | 516 | 458 | 5589 | |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| / L HOURS | MEAN | 25.4 | 30.9 | 39.7 | 51.0 | 63.5 | 71.9 | 77.5 | 73.6 | 64.7 | 53.8 | 45.0 | 32.6 | 53.1 | |
| | S D | 10.962 | 11.562 | 10.818 | 11.563 | 11.057 | 9.723 | 8.746 | 9.282 | 10.119 | 10.444 | 10.362 | 11.328 | 20.107 | |
| | TOTAL OBS | 3829 | 3534 | 4016 | 3882 | 3966 | 4020 | 3987 | 4144 | 3836 | 3948 | 3618 | 3486 | 46266 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

744906 FT DEVENS AAF MA

75-84

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|-----------|-----------|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
| 06-08 | MEAN | 16.7 | 20.5 | 29.4 | 38.8 | 50.5 | 58.5 | 63.6 | 61.5 | 52.6 | 43.1 | 34.9 | 24.7 | 43.4 | |
| | S D | 12.305 | 12.258 | 9.253 | 8.204 | 7.716 | 6.668 | 5.894 | 6.959 | 8.873 | 9.460 | 9.744 | 11.621 | 17.871 | |
| | TOTAL OBS | 667 | 611 | 741 | 746 | 892 | 895 | 889 | 921 | 863 | 839 | 598 | 618 | 9280 | |
| 09-11 | MEAN | 21.2 | 25.7 | 33.4 | 42.6 | 54.2 | 61.9 | 67.1 | 65.5 | 58.0 | 48.0 | 39.1 | 28.0 | 45.7 | |
| | S D | 10.373 | 10.193 | 8.932 | 8.383 | 7.595 | 6.655 | 5.653 | 6.326 | 7.157 | 8.484 | 8.773 | 10.319 | 17.591 | |
| | TOTAL OBS | 892 | 818 | 922 | 878 | 894 | 900 | 895 | 930 | 867 | 871 | 798 | 820 | 10485 | |
| 12-14 | MEAN | 24.8 | 29.1 | 35.9 | 44.8 | 55.9 | 63.3 | 68.2 | 66.7 | 59.5 | 50.3 | 41.7 | 30.9 | 48.0 | |
| | S D | 8.798 | 9.381 | 8.666 | 8.211 | 7.593 | 6.617 | 5.794 | 6.195 | 6.983 | 8.403 | 8.876 | 9.742 | 16.723 | |
| | TOTAL OBS | 885 | 813 | 923 | 880 | 894 | 900 | 895 | 928 | 868 | 861 | 797 | 804 | 10448 | |
| 15-17 | MEAN | 24.7 | 29.5 | 36.3 | 44.8 | 55.9 | 63.2 | 68.2 | 66.6 | 59.5 | 49.9 | 41.0 | 30.6 | 48.0 | |
| | S D | 8.864 | 9.280 | 8.608 | 8.269 | 7.495 | 6.497 | 5.500 | 5.980 | 6.875 | 8.381 | 8.996 | 9.836 | 16.662 | |
| | TOTAL OBS | 859 | 792 | 887 | 867 | 874 | 890 | 880 | 913 | 838 | 854 | 788 | 783 | 10225 | |
| 18-20 | MEAN | 21.8 | 27.0 | 34.2 | 42.9 | 54.0 | 62.1 | 67.5 | 65.6 | 57.6 | 47.3 | 38.5 | 28.5 | 44.5 | |
| | S D | 9.054 | 9.486 | 8.309 | 8.312 | 7.349 | 6.400 | 5.186 | 5.732 | 7.422 | 8.822 | 9.077 | 10.274 | 17.247 | |
| | TOTAL OBS | 524 | 499 | 537 | 507 | 410 | 433 | 423 | 451 | 396 | 420 | 494 | 458 | 5552 | |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| ALL HOURS | MEAN | 22.1 | 26.6 | 34.0 | 42.9 | 54.1 | 61.8 | 66.9 | 65.1 | 57.4 | 47.8 | 39.3 | 28.7 | 46.1 | |
| | S D | 10.327 | 10.594 | 9.114 | 8.561 | 7.857 | 6.832 | 5.934 | 6.619 | 7.974 | 9.109 | 9.383 | 10.552 | 17.307 | |
| | TOTAL OBS | 3827 | 3533 | 4010 | 3878 | 3964 | 4018 | 3982 | 4143 | 3832 | 3845 | 3475 | 3483 | 45990 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

744906 FT DEVENS AAF MA

75-84

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|-----------|--------------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 06-08 | MEAN | 9.0 | 13.2 | 22.9 | 32.5 | 45.7 | 54.7 | 60.3 | 59.1 | 50.3 | 48.0 | 30.4 | 18.3 | 38.7 |
| | S D | 15.369 | 15.376 | 12.269 | 11.063 | 9.515 | 7.652 | 6.625 | 7.594 | 9.474 | 10.781 | 11.999 | 14.489 | 20.257 |
| | TOTAL OBS | 667 | 611 | 791 | 746 | 892 | 895 | 889 | 921 | 863 | 839 | 598 | 618 | 9280 |
| 09-11 | MEAN | 12.0 | 15.8 | 23.7 | 32.2 | 45.6 | 54.8 | 60.7 | 60.2 | 52.4 | 41.9 | 32.2 | 20.0 | 38.0 |
| | S D | 14.295 | 14.623 | 13.010 | 11.843 | 10.642 | 8.829 | 7.698 | 7.970 | 9.069 | 10.953 | 11.921 | 13.753 | 20.256 |
| | TOTAL OBS | 892 | 818 | 922 | 878 | 894 | 900 | 895 | 930 | 867 | 871 | 798 | 820 | 10485 |
| 12-14 | MEAN | 13.5 | 16.7 | 24.0 | 32.2 | 45.3 | 54.5 | 60.1 | 59.8 | 51.6 | 41.6 | 32.4 | 20.5 | 38.1 |
| | S D | 13.741 | 14.671 | 12.963 | 11.674 | 11.001 | 9.174 | 8.403 | 8.272 | 9.571 | 11.881 | 12.682 | 13.994 | 19.898 |
| | TOTAL OBS | 885 | 813 | 923 | 880 | 894 | 900 | 895 | 928 | 868 | 861 | 797 | 804 | 10448 |
| 15-17 | MEAN | 13.0 | 16.6 | 23.8 | 32.1 | 45.1 | 54.2 | 60.2 | 59.8 | 51.7 | 41.2 | 31.9 | 20.4 | 38.0 |
| | S D | 13.976 | 14.916 | 13.031 | 11.741 | 11.275 | 9.421 | 8.034 | 8.089 | 9.539 | 11.917 | 12.802 | 14.349 | 20.022 |
| | TOTAL OBS | 859 | 792 | 887 | 867 | 874 | 890 | 880 | 913 | 838 | 854 | 788 | 783 | 10225 |
| 18-20 | MEAN | 11.0 | 15.8 | 23.1 | 31.8 | 44.9 | 54.3 | 60.9 | 60.7 | 52.5 | 41.7 | 31.6 | 19.8 | 36.1 |
| | S D | 13.362 | 15.189 | 12.848 | 11.965 | 10.975 | 9.082 | 7.274 | 7.233 | 9.173 | 11.314 | 12.340 | 14.408 | 20.598 |
| | TOTAL OBS | 524 | 499 | 537 | 507 | 410 | 433 | 423 | 451 | 396 | 420 | 494 | 458 | 5552 |
| | MEAN | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | |
| | MEAN | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | |
| | MEAN | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | |
| ALL HOURS | MEAN | 11.9 | 15.7 | 23.6 | 32.2 | 45.4 | 54.5 | 60.4 | 59.9 | 51.6 | 41.3 | 31.8 | 19.9 | 37.9 |
| | S D | 14.249 | 14.955 | 12.848 | 11.647 | 10.662 | 8.824 | 7.675 | 7.917 | 9.416 | 11.402 | 12.386 | 14.176 | 20.178 |
| | TOTAL OBS | 3827 | 3533 | 4010 | 3878 | 3964 | 4018 | 3982 | 4143 | 3832 | 3895 | 3475 | 3883 | 45990 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|----------------|--|-------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | |
| JAN | 00-02 | | | | | | | | | | |
| | 03-05 | | | | | | | | | | |
| | 06-08 | 100.0 | 99.6 | 99.4 | 95.7 | 83.2 | 63.0 | 43.9 | 28.6 | 6.0 | 667 |
| | 09-11 | 100.0 | 99.6 | 97.5 | 88.2 | 70.9 | 48.8 | 33.3 | 19.3 | 3.4 | 892 |
| | 12-14 | 100.0 | 100.0 | 92.4 | 76.4 | 53.1 | 34.1 | 22.7 | 14.0 | 2.8 | 885 |
| | 15-17 | 100.0 | 99.1 | 90.3 | 75.0 | 48.8 | 32.6 | 22.4 | 12.6 | 2.7 | 859 |
| | 18-20 | 100.0 | 99.8 | 96.4 | 82.6 | 59.0 | 36.6 | 23.1 | 10.1 | 2.1 | 524 |
| | 21-23 | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 95.2 | 83.6 | 63.0 | 43.0 | 29.1 | 16.9 | 3.4 | 3827 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84

PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|-----|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.0 | 93.8 | 83.5 | 65.6 | 50.7 | 28.6 | 8.5 | 68.5 | 611 |
| | 09-11 | 100.0 | 99.5 | 95.1 | 83.3 | 61.5 | 41.6 | 28.1 | 17.8 | 5.9 | 59.1 | 818 |
| | 12-14 | 100.0 | 97.2 | 88.1 | 63.3 | 41.0 | 27.7 | 19.6 | 13.3 | 5.4 | 51.2 | 813 |
| | 15-17 | 100.0 | 96.5 | 84.7 | 57.8 | 37.1 | 27.7 | 20.7 | 14.3 | 5.6 | 50.2 | 792 |
| | 18-20 | 100.0 | 98.2 | 91.6 | 75.4 | 49.7 | 35.1 | 24.6 | 18.2 | 7.6 | 55.4 | 499 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 98.3 | 91.7 | 74.7 | 54.6 | 39.5 | 28.7 | 18.4 | 6.6 | 56.9 | 3533 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906

FT DEVENS AAF MA

75-84

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | |
| MAR | 00-02 | | | | | | | | | | |
| | 03-05 | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.6 | 95.8 | 83.9 | 67.5 | 51.1 | 34.5 | 11.2 | 741 |
| | 09-11 | 100.0 | 99.7 | 93.8 | 78.0 | 56.2 | 40.9 | 30.4 | 20.3 | 5.7 | 922 |
| | 12-14 | 100.0 | 97.2 | 83.6 | 61.2 | 41.3 | 30.8 | 22.8 | 15.0 | 4.7 | 923 |
| | 15-17 | 100.0 | 95.5 | 78.7 | 56.1 | 40.2 | 30.2 | 22.3 | 13.9 | 5.2 | 887 |
| | 18-20 | 100.0 | 98.3 | 87.2 | 68.2 | 46.9 | 35.2 | 22.7 | 15.8 | 7.1 | 537 |
| | 21-23 | | | | | | | | | | |
| TOTALS | | 100.0 | 98.1 | 88.6 | 71.9 | 53.7 | 40.9 | 29.9 | 19.9 | 6.8 | 4010 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.1 | 91.0 | 78.8 | 64.1 | 48.1 | 32.2 | 18.2 | 69.0 | 746 |
| | 09-11 | 100.0 | 98.9 | 85.4 | 65.0 | 46.7 | 33.4 | 24.7 | 17.4 | 8.7 | 53.7 | 878 |
| | 12-14 | 100.0 | 93.4 | 71.5 | 49.9 | 35.1 | 27.2 | 20.9 | 12.0 | 6.4 | 47.4 | 880 |
| | 15-17 | 100.0 | 90.4 | 69.1 | 51.9 | 34.9 | 26.4 | 19.7 | 12.6 | 7.2 | 47.2 | 867 |
| | 18-20 | 100.0 | 96.6 | 30.7 | 63.1 | 44.0 | 30.6 | 23.5 | 15.2 | 9.1 | 52.2 | 507 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 95.9 | 81.2 | 64.2 | 47.9 | 36.3 | 27.4 | 17.9 | 9.9 | 53.9 | 3878 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

PERIOD

MAY

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 98.8 | 96.1 | 88.1 | 73.7 | 56.8 | 38.0 | 14.7 | 72.5 | 892 |
| | 09-11 | 100.0 | 98.8 | 90.3 | 72.7 | 51.2 | 34.9 | 26.8 | 18.7 | 6.9 | 55.9 | 894 |
| | 12-14 | 100.0 | 96.8 | 77.5 | 54.3 | 36.0 | 26.6 | 21.4 | 14.7 | 6.2 | 49.1 | 894 |
| | 15-17 | 100.0 | 94.4 | 75.1 | 53.9 | 37.8 | 27.2 | 22.1 | 14.2 | 5.0 | 48.8 | 874 |
| | 18-20 | 100.0 | 97.3 | 84.9 | 66.3 | 51.2 | 36.8 | 26.8 | 19.3 | 7.6 | 55.1 | 410 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 97.5 | 85.3 | 68.7 | 52.9 | 39.8 | 30.8 | 21.0 | 8.1 | 56.3 | 3964 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

PERIOD

JUN

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90 | | |
| JUN | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.7 | 98.7 | 92.8 | 81.1 | 59.4 | 34.9 | 12.6 | 73.9 | 895 |
| | 09-11 | 100.0 | 99.9 | 96.2 | 83.0 | 60.4 | 35.4 | 22.8 | 13.4 | 4.8 | 57.4 | 900 |
| | 12-14 | 100.0 | 99.3 | 89.2 | 65.1 | 38.7 | 23.1 | 14.8 | 9.4 | 3.8 | 50.2 | 900 |
| | 15-17 | 100.0 | 99.1 | 85.2 | 62.8 | 42.0 | 25.3 | 16.3 | 11.0 | 3.4 | 50.3 | 890 |
| | 18-20 | 100.0 | 99.8 | 94.9 | 75.5 | 54.0 | 34.6 | 20.3 | 11.5 | 4.8 | 55.3 | 433 |
| | 21-23 | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 93.0 | 77.0 | 57.6 | 39.9 | 26.7 | 16.0 | 5.9 | 57.4 | 4018 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA

STATION NAME

75-84

PERIOD

JUL

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | |
| JUL | 00-02 | | | | | | | | | | |
| | 03-05 | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 96.9 | 84.8 | 63.9 | 38.1 | 10.7 | 889 |
| | 09-11 | 100.0 | 100.0 | 98.8 | 87.4 | 63.1 | 38.5 | 22.2 | 10.8 | 3.5 | 895 |
| | 12-14 | 100.0 | 100.0 | 92.2 | 69.9 | 40.4 | 22.7 | 14.6 | 6.5 | 2.2 | 895 |
| | 15-17 | 100.0 | 100.0 | 92.2 | 71.9 | 41.3 | 20.8 | 13.4 | 7.0 | 1.9 | 880 |
| | 18-20 | 100.0 | 100.0 | 98.3 | 87.2 | 61.5 | 34.5 | 20.1 | 10.2 | 2.4 | 423 |
| | 21-23 | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 96.3 | 83.3 | 60.6 | 40.3 | 26.8 | 14.5 | 4.1 | 3982 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

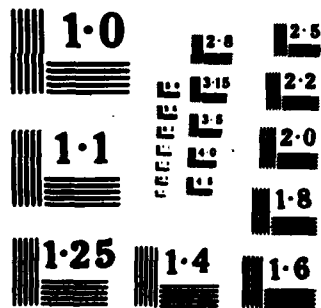
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FORT DEVENS AAF MASSACHUSETTS LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA..(U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
JUL 85 USAFETAC/DS-85/027 F/G 4/2

UNCLASSIFIED

NL

| | | | | | | | | | | |
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| | | | | | | | | | | END DATE FORMED 17-85 1-1 |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.9 | 99.7 | 99.0 | 95.3 | 82.2 | 68.6 | 20.8 | 81.8 | 921 |
| | 09-11 | 100.0 | 100.0 | 99.8 | 94.8 | 78.8 | 54.4 | 33.5 | 20.5 | 6.5 | 64.5 | 930 |
| | 12-14 | 100.0 | 100.0 | 97.7 | 81.6 | 53.0 | 32.5 | 20.5 | 13.4 | 5.4 | 55.9 | 928 |
| | 15-17 | 100.0 | 100.0 | 96.6 | 81.5 | 55.6 | 35.2 | 22.7 | 14.6 | 6.0 | 56.9 | 913 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 96.5 | 82.0 | 60.1 | 37.9 | 21.7 | 11.1 | 66.7 | 451 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.8 | 90.8 | 73.7 | 55.5 | 39.4 | 26.2 | 10.0 | 65.2 | 4143 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906

FT DEVENS AAF MA

75-84

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 96.3 | 87.5 | 67.9 | 29.2 | 83.9 | 863 |
| | 09-11 | 100.0 | 100.0 | 99.8 | 96.4 | 80.2 | 54.7 | 35.1 | 21.1 | 10.0 | 65.4 | 867 |
| | 12-14 | 100.0 | 100.0 | 97.7 | 80.3 | 47.1 | 29.0 | 20.2 | 13.6 | 6.9 | 55.3 | 868 |
| | 15-17 | 100.0 | 100.0 | 97.4 | 79.4 | 51.1 | 31.1 | 21.6 | 14.3 | 5.3 | 55.9 | 838 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 97.2 | 87.1 | 64.6 | 40.9 | 22.7 | 6.8 | 67.8 | 396 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.9 | 90.7 | 73.0 | 55.1 | 41.1 | 27.9 | 11.6 | 65.7 | 3832 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906
STATION

FT DEVENS AAF MA
STATION NAME

75-84
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 92.5 | 78.1 | 57.4 | 30.4 | 81.7 | 839 |
| | 09-11 | 100.0 | 100.0 | 99.7 | 94.4 | 78.1 | 58.9 | 39.7 | 25.3 | 12.7 | 66.7 | 871 |
| | 12-14 | 100.0 | 99.7 | 94.2 | 76.1 | 51.8 | 34.8 | 23.8 | 16.0 | 8.3 | 56.2 | 861 |
| | 15-17 | 100.0 | 99.4 | 93.4 | 76.8 | 54.6 | 37.2 | 25.3 | 16.7 | 10.0 | 57.0 | 854 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 96.9 | 85.2 | 64.0 | 48.8 | 25.5 | 12.9 | 68.9 | 420 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.8 | 97.5 | 88.8 | 73.8 | 57.5 | 43.1 | 28.2 | 14.9 | 66.1 | 3845 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

744906

FT DEVENS AAF MA

75-84

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.5 | 97.2 | 80.3 | 64.9 | 46.3 | 21.9 | 76.8 | 598 |
| | 09-11 | 100.0 | 100.0 | 99.4 | 93.7 | 75.2 | 56.8 | 40.1 | 26.8 | 11.7 | 66.3 | 798 |
| | 12-14 | 100.0 | 99.4 | 94.6 | 76.2 | 53.5 | 37.8 | 26.7 | 17.4 | 7.9 | 57.2 | 797 |
| | 15-17 | 100.0 | 99.5 | 94.8 | 78.9 | 56.1 | 40.9 | 26.9 | 17.3 | 7.9 | 58.0 | 788 |
| | 18-20 | 100.0 | 100.0 | 99.4 | 93.5 | 78.7 | 57.3 | 39.9 | 23.7 | 10.1 | 66.1 | 494 |
| | 21-23 | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.8 | 97.6 | 88.4 | 72.1 | 54.6 | 39.7 | 26.3 | 11.9 | 64.9 | 3475 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

DEC
MON

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.7 | 96.1 | 88.7 | 70.9 | 54.4 | 34.3 | 11.0 | 71.0 | 618 |
| | 09-11 | 100.0 | 100.0 | 98.9 | 92.2 | 75.2 | 51.7 | 37.4 | 23.5 | 7.8 | 64.3 | 820 |
| | 12-14 | 100.0 | 99.9 | 94.8 | 78.0 | 50.4 | 36.4 | 24.9 | 17.3 | 6.2 | 56.5 | 804 |
| | 15-17 | 100.0 | 100.0 | 94.3 | 77.0 | 53.8 | 37.4 | 26.3 | 17.6 | 7.3 | 57.1 | 783 |
| | 18-20 | 100.0 | 100.0 | 97.6 | 88.2 | 71.4 | 48.9 | 31.9 | 21.6 | 7.2 | 62.3 | 458 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 97.1 | 86.3 | 67.9 | 49.1 | 35.0 | 22.9 | 7.9 | 62.2 | 3483 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PART :

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

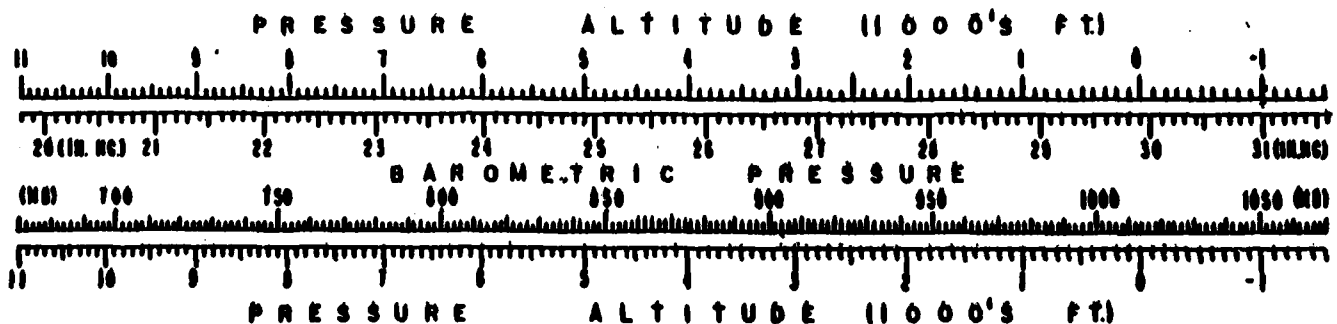
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

744906 FT DEVENS AAF MA

75-84

| STATION | | STATION NAME | | | | | | | | | | | YEARS | | | | | | | | | | | |
|---------------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|
| HRS. (L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL | | | | | | | | | | |
| 01 | MEAN | | | | | | | | | | | | | | | | | | | | | | | |
| | S. D. | | | | | | | | | | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | MEAN | | | | | | | | | | | | | | | | | | | | | | | |
| | S. D. | | | | | | | | | | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | MEAN | 29.680 | 29.691 | 29.655 | 29.639 | 29.672 | 29.668 | 29.671 | 29.724 | 29.765 | 29.766 | 29.724 | 29.735 | 29.699 | | | | | | | | | | |
| | S. D. | .336 | .311 | .297 | .258 | .188 | .195 | .161 | .142 | .195 | .265 | .293 | .324 | .256 | | | | | | | | | | |
| | TOTAL OBS | 288 | 266 | 309 | 293 | 299 | 300 | 299 | 308 | 289 | 297 | 269 | 268 | 3485 | | | | | | | | | | |
| 10 | MEAN | 29.694 | 29.702 | 29.656 | 29.627 | 29.663 | 29.661 | 29.665 | 29.721 | 29.765 | 29.770 | 29.732 | 29.749 | 29.700 | | | | | | | | | | |
| | S. D. | .342 | .307 | .295 | .253 | .187 | .196 | .160 | .144 | .197 | .265 | .299 | .328 | .259 | | | | | | | | | | |
| | TOTAL OBS | 298 | 273 | 308 | 293 | 299 | 300 | 299 | 310 | 290 | 297 | 277 | 274 | 3518 | | | | | | | | | | |
| 13 | MEAN | 29.636 | 29.656 | 29.615 | 29.592 | 29.631 | 29.633 | 29.639 | 29.694 | 29.729 | 29.726 | 29.681 | 29.701 | 29.660 | | | | | | | | | | |
| | S. D. | .339 | .294 | .287 | .248 | .182 | .191 | .158 | .141 | .191 | .258 | .291 | .316 | .251 | | | | | | | | | | |
| | TOTAL OBS | 295 | 272 | 308 | 294 | 298 | 300 | 298 | 310 | 289 | 295 | 277 | 267 | 3503 | | | | | | | | | | |
| 16 | MEAN | 29.645 | 29.652 | 29.607 | 29.574 | 29.609 | 29.614 | 29.618 | 29.672 | 29.706 | 29.714 | 29.685 | 29.703 | 29.649 | | | | | | | | | | |
| | S. D. | .330 | .283 | .271 | .246 | .177 | .183 | .157 | .137 | .188 | .257 | .278 | .307 | .245 | | | | | | | | | | |
| | TOTAL OBS | 291 | 268 | 295 | 291 | 289 | 295 | 293 | 304 | 279 | 294 | 275 | 264 | 3438 | | | | | | | | | | |
| 19 | MEAN | 29.697 | 29.690 | 29.646 | 29.620 | 29.637 | 29.643 | 29.622 | 29.677 | 29.729 | 29.772 | 29.720 | 29.753 | 29.685 | | | | | | | | | | |
| | S. D. | .316 | .280 | .262 | .234 | .169 | .172 | .155 | .133 | .175 | .267 | .264 | .293 | .251 | | | | | | | | | | |
| | TOTAL OBS | 260 | 246 | 254 | 238 | 129 | 149 | 142 | 154 | 129 | 151 | 253 | 218 | 2315 | | | | | | | | | | |
| 22 | MEAN | | | | | | | | | | | | | | | | | | | | | | | |
| | S. D. | | | | | | | | | | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | | | | | | | | | | |
| ALL HOURS | MEAN | 29.670 | 29.678 | 29.636 | 29.610 | 29.643 | 29.644 | 29.645 | 29.700 | 29.748 | 29.747 | 29.700 | 29.727 | 29.678 | | | | | | | | | | |
| | S. D. | .334 | .296 | .284 | .249 | .184 | .198 | .168 | .142 | .192 | .263 | .284 | .315 | .253 | | | | | | | | | | |
| | TOTAL OBS | 1432 | 1325 | 1474 | 1401 | 1314 | 1384 | 1381 | 1384 | 1234 | 1334 | 1381 | 1291 | 16259 | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

744906 FT DEVENS AAF MA

75-84

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
| 01 | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| 04 | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| 07 | MEAN | 1015.8 | 1016.1 | 1014.8 | 1014.1 | 1015.0 | 1015.0 | 1015.0 | 1016.8 | 1016.3 | 1018.4 | 1017.1 | 1017.6 | 1016.1 | |
| | S D | 11.391 | 10.619 | 10.123 | 8.824 | 6.680 | 6.653 | 5.517 | 4.856 | 6.685 | 9.098 | 10.051 | 11.138 | 8.803 | |
| | TOTAL OBS | 288 | 266 | 309 | 293 | 299 | 300 | 298 | 308 | 289 | 297 | 269 | 268 | 3484 | |
| 10 | MEAN | 1016.3 | 1016.5 | 1014.8 | 1013.7 | 1014.8 | 1014.7 | 1014.8 | 1016.7 | 1016.2 | 1018.5 | 1017.4 | 1018.1 | 1016.2 | |
| | S D | 11.768 | 10.517 | 10.138 | 8.655 | 6.413 | 6.679 | 5.464 | 4.900 | 6.727 | 9.117 | 10.221 | 11.244 | 8.860 | |
| | TOTAL OBS | 298 | 273 | 308 | 293 | 299 | 300 | 299 | 310 | 290 | 297 | 277 | 274 | 3518 | |
| 13 | MEAN | 1014.3 | 1014.9 | 1013.4 | 1012.4 | 1013.7 | 1013.7 | 1013.9 | 1015.7 | 1017.0 | 1017.0 | 1015.6 | 1016.4 | 1014.8 | |
| | S D | 11.631 | 10.093 | 9.856 | 8.549 | 6.235 | 6.525 | 5.398 | 4.827 | 6.528 | 8.851 | 9.969 | 10.786 | 8.612 | |
| | TOTAL OBS | 295 | 272 | 308 | 294 | 298 | 300 | 298 | 309 | 289 | 295 | 277 | 267 | 3502 | |
| 16 | MEAN | 1014.6 | 1014.8 | 1013.1 | 1011.9 | 1013.0 | 1013.1 | 1013.2 | 1015.0 | 1016.2 | 1016.6 | 1015.7 | 1016.4 | 1014.4 | |
| | S D | 11.372 | 9.729 | 9.314 | 8.444 | 6.056 | 6.301 | 5.349 | 4.698 | 6.413 | 8.799 | 9.480 | 10.509 | 8.390 | |
| | TOTAL OBS | 291 | 268 | 295 | 291 | 289 | 295 | 293 | 304 | 279 | 294 | 275 | 264 | 3438 | |
| 19 | MEAN | 1016.4 | 1016.1 | 1014.4 | 1013.4 | 1013.9 | 1014.1 | 1013.3 | 1015.1 | 1017.0 | 1018.6 | 1016.9 | 1018.2 | 1015.7 | |
| | S D | 10.880 | 9.609 | 9.021 | 8.005 | 5.772 | 5.919 | 5.332 | 4.525 | 5.997 | 9.118 | 9.067 | 10.052 | 8.607 | |
| | TOTAL OBS | 260 | 246 | 254 | 230 | 129 | 149 | 142 | 154 | 129 | 151 | 253 | 218 | 2315 | |
| 22 | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| ALL HOURS | MEAN | 1015.4 | 1015.7 | 1014.1 | 1013.1 | 1014.1 | 1014.1 | 1014.1 | 1016.0 | 1017.4 | 1017.7 | 1016.5 | 1017.3 | 1015.4 | |
| | S D | 11.483 | 10.140 | 9.742 | 8.552 | 6.339 | 6.504 | 5.462 | 4.840 | 6.575 | 9.011 | 9.792 | 10.794 | 8.690 | |
| | TOTAL OBS | 1432 | 1325 | 1474 | 1401 | 1314 | 1344 | 1330 | 1385 | 1276 | 1334 | 1351 | 1291 | 16257 | |

USAF ETAC FORM OCT 75 0-89-5 (OL A)

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